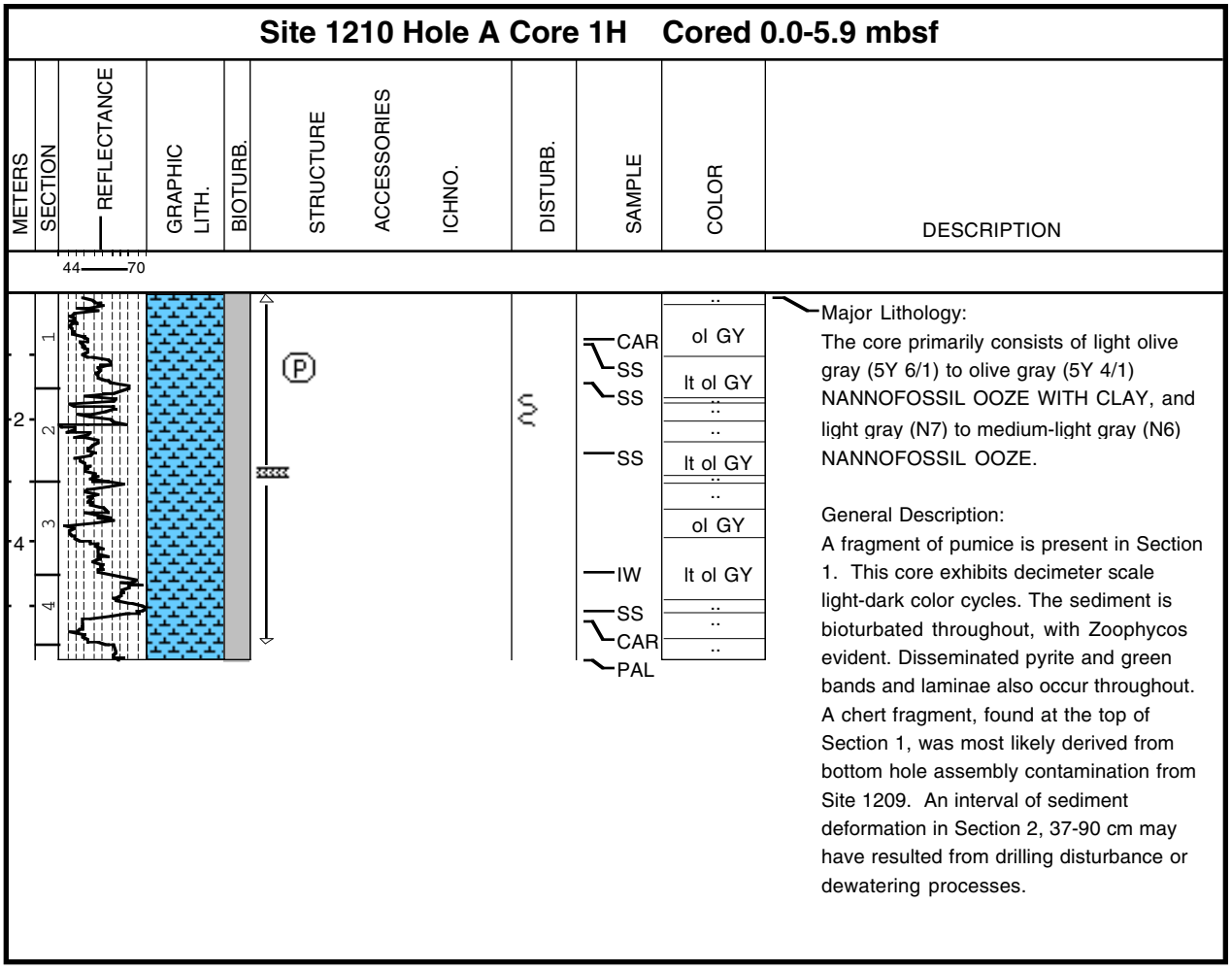
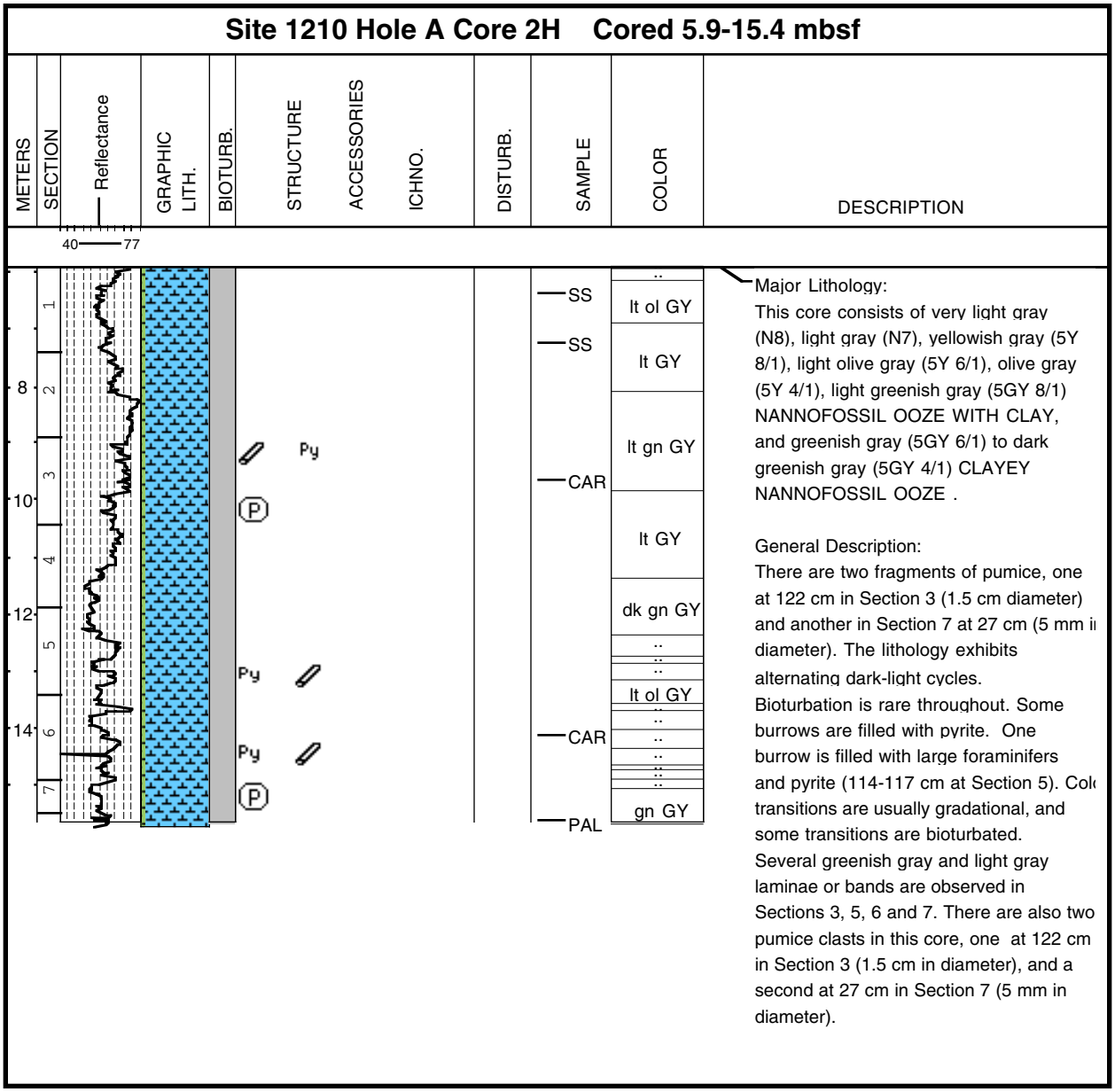
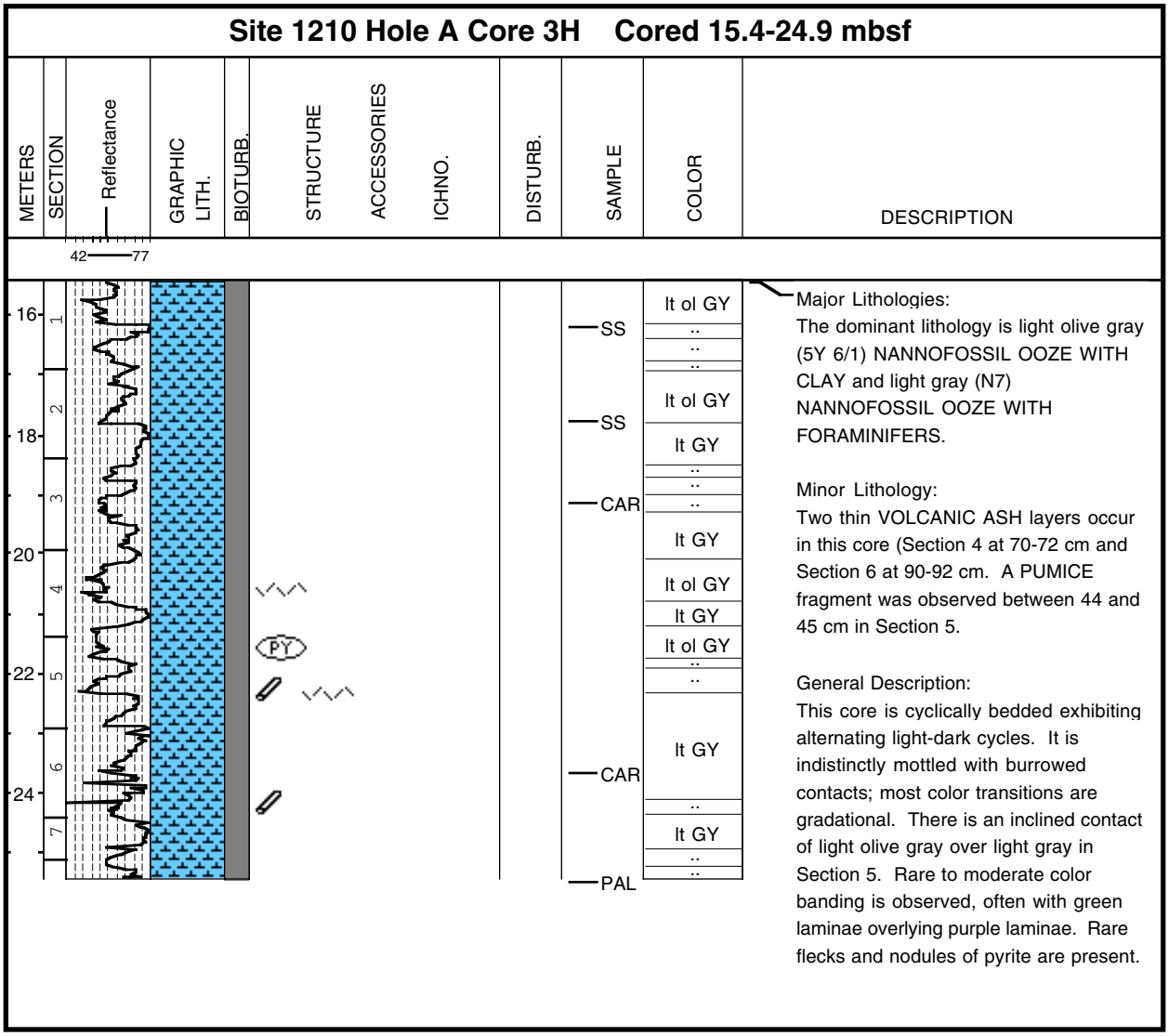
Core Photo


Site 1210 Hole A Core 1H Cored 0.0-5.9 mbsf
METERS
SECTION
REFLECTANCE
44
70
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1
2
3
4
2
4
P
CAR
SS
SS
SS
IW
SS
CAR
PAL
ol GY
lt ol GY
lt ol GY
ol GY
lt ol GY
Major Lithology:
The core primarily consists of light olive gray (5Y 6/1) to olive gray (5Y 4/1) NANNOFOSSIL OOZE WITH CLAY, and light gray (N7) to medium-light gray (N6) NANNOFOSSIL OOZE.
General Description:
A fragment of pumice is present in Section 1. This core exhibits decimeter scale light-dark color cycles. The sediment is bioturbated throughout, with Zoophycos evident. Disseminated pyrite and green bands and laminae also occur throughout. A chert fragment, found at the top of Section 1, was most likely derived from bottom hole assembly contamination from Site 1209. An interval of sediment deformation in Section 2, 37-90 cm may have resulted from drilling disturbance or dewatering processes.

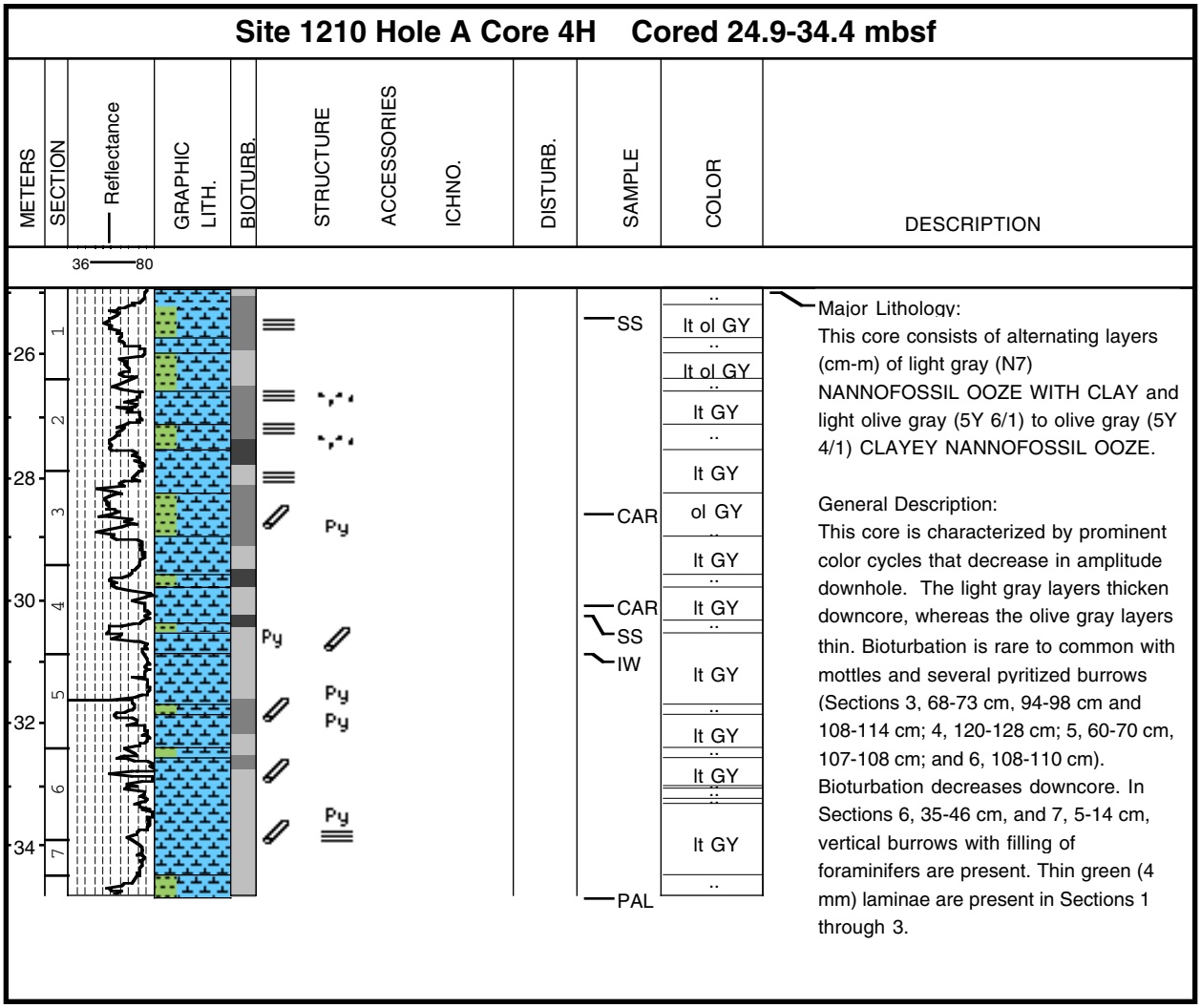
Core Photo


Site 1210 Hole A Core 2H Cored 5.9-15.4 mbsf
METERS
SECTION
Reflectance
40
77
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
8
10
12
14
1
2
3
4
5
6
7
Py
P
SS
SS
CAR
CAR
PAL
lt ol GY
lt GY
lt gn GY
lt GY
dk gn GY
lt ol GY
gn GY
Major Lithology:
This core consists of very light gray (N8), light gray (N7), yellowish gray (5Y 8/1), light olive gray (5Y 6/1), olive gray (5Y 4/1), light greenish gray (5GY 8/1) NANNOFOSSIL OOZE WITH CLAY, and greenish gray (5GY 6/1) to dark greenish gray (5GY 4/1) CLAYEY NANNOFOSSIL OOZE .
General Description:
There are two fragments of pumice, one at 122 cm in Section 3 (1.5 cm diameter) and another in Section 7 at 27 cm (5 mm i diameter). The lithology exhibits alternating dark-light cycles.
Bioturbation is rare throughout. Some burrows are filled with pyrite. One burrow is filled with large foraminifers and pyrite (114-117 cm at Section 5). Col transitions are usually gradational, and some transitions are bioturbated.
Several greenish gray and light gray laminae or bands are observed in Sections 3, 5, 6 and 7. There are also two pumice clasts in this core, one at 122 cm in Section 3 (1.5 cm in diameter), and a second at 27 cm in Section 7 (5 mm in diameter).

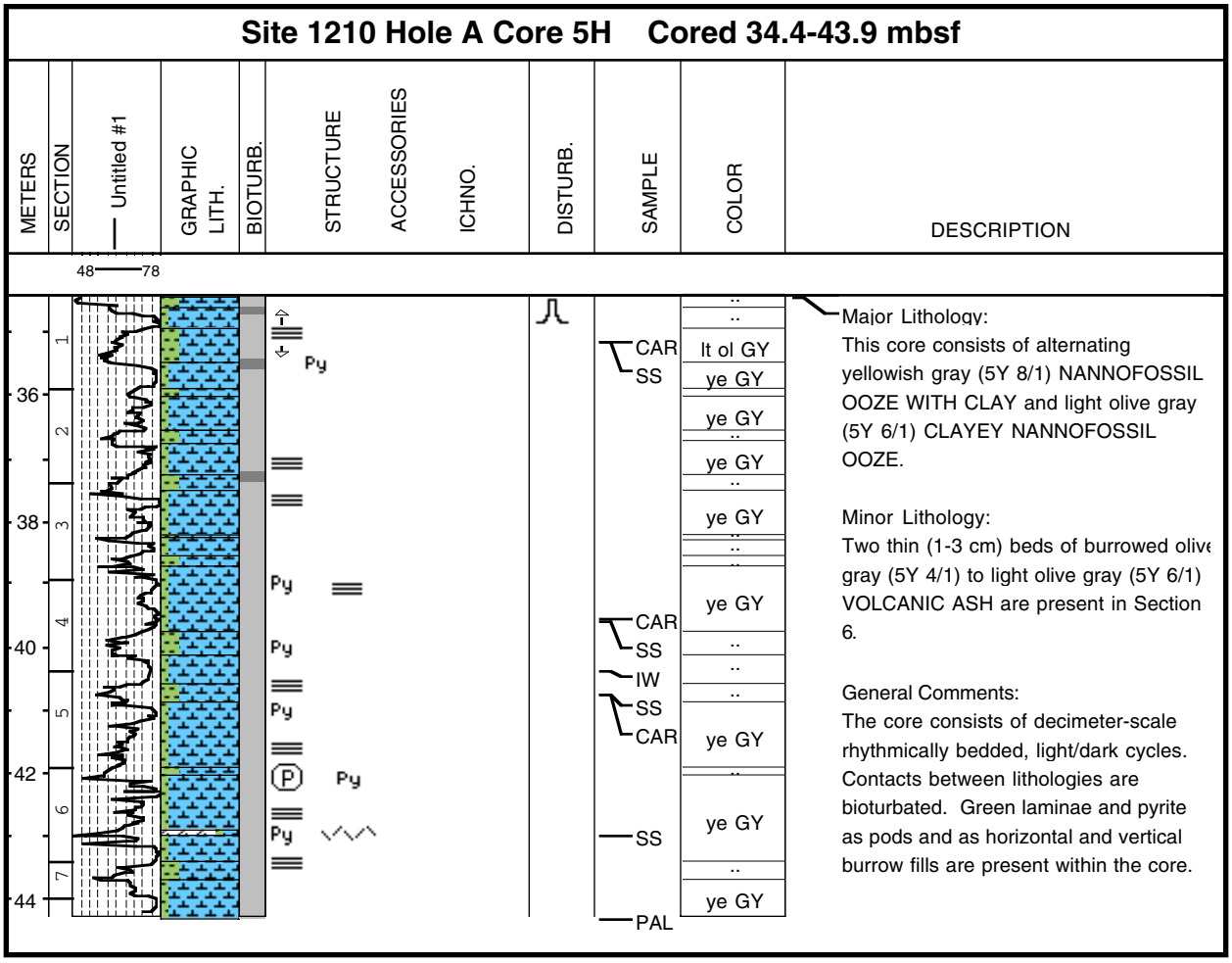
Core Photo


Site 1210 Hole A Core 3H Cored 15.4-24.9 mbsf
METERS
SECTION
Reflectance
42
77
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
16
18
20
22
24
1
2
3
4
5
6
7
PY
SS
SS
CAR
CAR
PAL
lt ol GY
lt GY
lt ol GY
lt GY
lt ol GY
lt GY
lt ol GY
lt GY
Major Lithologies:
The dominant lithology is light olive gray (5Y 6/1) NANNOFOSSIL OOZE WITH CLAY and light gray (N7) NANNOFOSSIL OOZE WITH FORAMINIFERS.
Minor Lithology:
Two thin VOLCANIC ASH layers occur in this core (Section 4 at 70-72 cm and Section 6 at 90-92 cm. A PUMICE fragment was observed between 44 and 45 cm in Section 5.
General Description:
This core is cyclically bedded exhibiting alternating light-dark cycles. It is indistinctly mottled with burrowed contacts; most color transitions are gradational. There is an inclined contact of light olive gray over light gray in Section 5. Rare to moderate color banding is observed, often with green laminae overlying purple laminae. Rare flecks and nodules of pyrite are present.

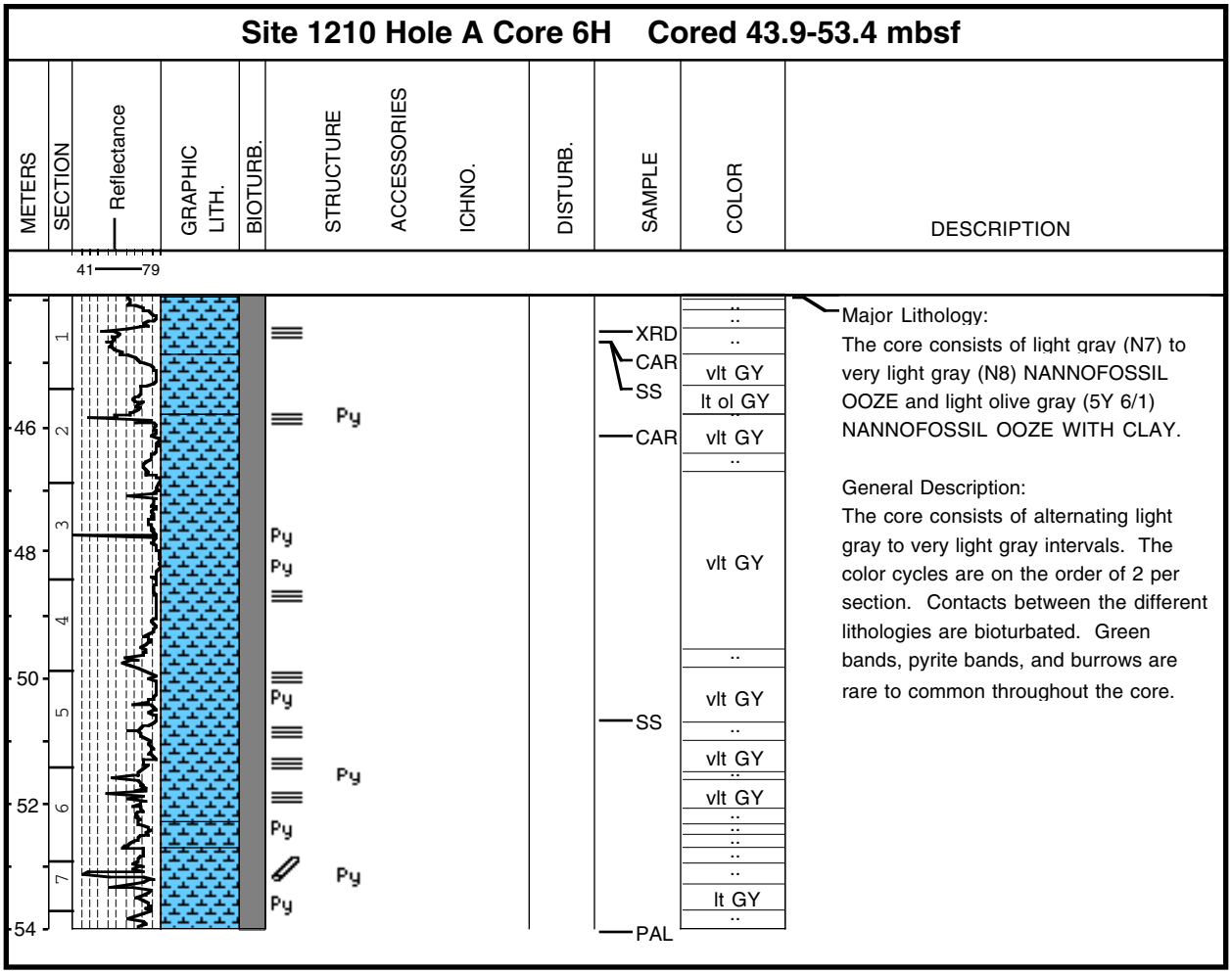
Core Photo


Site 1210 Hole A Core 4H Cored 24.9-34.4 mbsf
METERS
SECTION
Reflectance
36
80
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
26
28
30
32
34
1
2
3
4
5
6
7
Py
SS
CAR
CAR
SS
IW
PAL
lt ol GY
lt ol GY
lt GY
lt GY
ol GY
lt GY
lt GY
lt GY
lt GY
lt GY
Major Lithology:
This core consists of alternating layers (cm-m) of light gray (N7) NANNOFOSSIL OOZE WITH CLAY and light olive gray (5Y 6/1) to olive gray (5Y 4/1) CLAYEY NANNOFOSSIL OOZE.
General Description:
This core is characterized by prominent color cycles that decrease in amplitude downhole. The light gray layers thicken downcore, whereas the olive gray layers thin. Bioturbation is rare to common with mottles and several pyritized burrows (Sections 3, 68-73 cm, 94-98 cm and 108-114 cm; 4, 120-128 cm; 5, 60-70 cm, 107-108 cm; and 6, 108-110 cm). Bioturbation decreases downcore. In Sections 6, 35-46 cm, and 7, 5-14 cm, vertical burrows with filling of foraminifers are present. Thin green (4 mm) laminae are present in Sections 1 through 3.

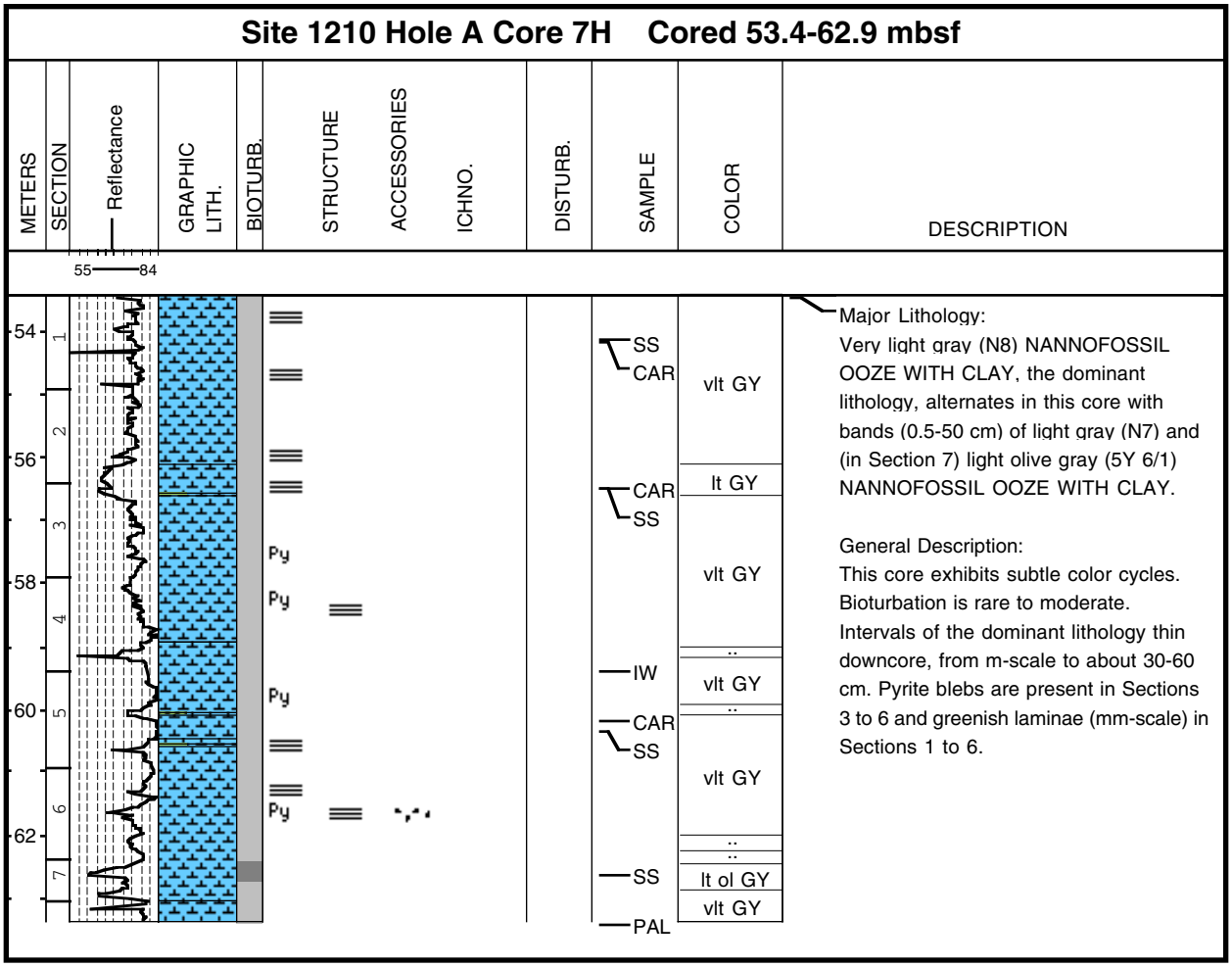
Core Photo


Site 1210 Hole A Core 5H Cored 34.4-43.9 mbsf
METERS
SECTION
Untitled #1
48
78
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
36
38
40
42
44
1
2
3
4
5
6
7
Py
P
CAR
SS
IW
PAL
lt ol GY
ye GY
Major Lithology:
This core consists of alternating yellowish gray (5Y 8/1) NANNOFOSSIL OOZE WITH CLAY and light olive gray (5Y 6/1) CLAYEY NANNOFOSSIL OOZE.
Minor Lithology:
Two thin (1-3 cm) beds of burrowed olive gray (5Y 4/1) to light olive gray (5Y 6/1) VOLCANIC ASH are present in Section 6.
General Comments:
The core consists of decimeter-scale rhythmically bedded, light/dark cycles. Contacts between lithologies are bioturbated. Green laminae and pyrite as pods and as horizontal and vertical burrow fills are present within the core.

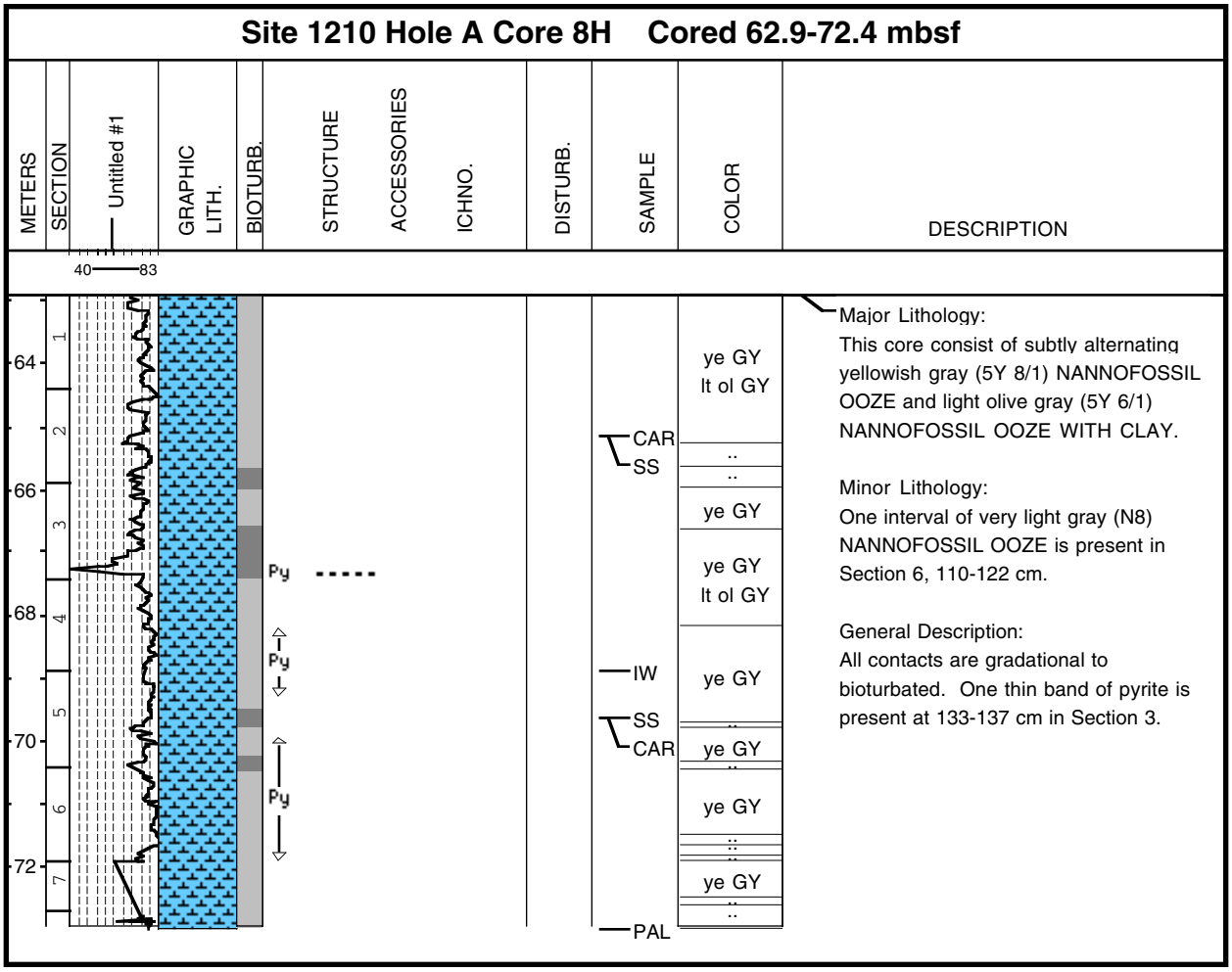
Core Photo


Site 1210 Hole A Core 6H Cored 43.9-53.4 mbsf
METERS
SECTION
Reflectance
41
79
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
46
48
50
52
54
1
2
3
4
5
6
7
Py
XRD
CAR
SS
CAR
SS
PAL
vlt GY
lt ol GY
vlt GY
vlt GY
vlt GY
vlt GY
lt GY
Major Lithology:
The core consists of light gray (N7) to very light gray (N8) NANNOFOSSIL OOZE and light olive gray (5Y 6/1) NANNOFOSSIL OOZE WITH CLAY.
General Description:
The core consists of alternating light gray to very light gray intervals. The color cycles are on the order of 2 per section. Contacts between the different lithologies are bioturbated. Green bands, pyrite bands, and burrows are rare to common throughout the core.

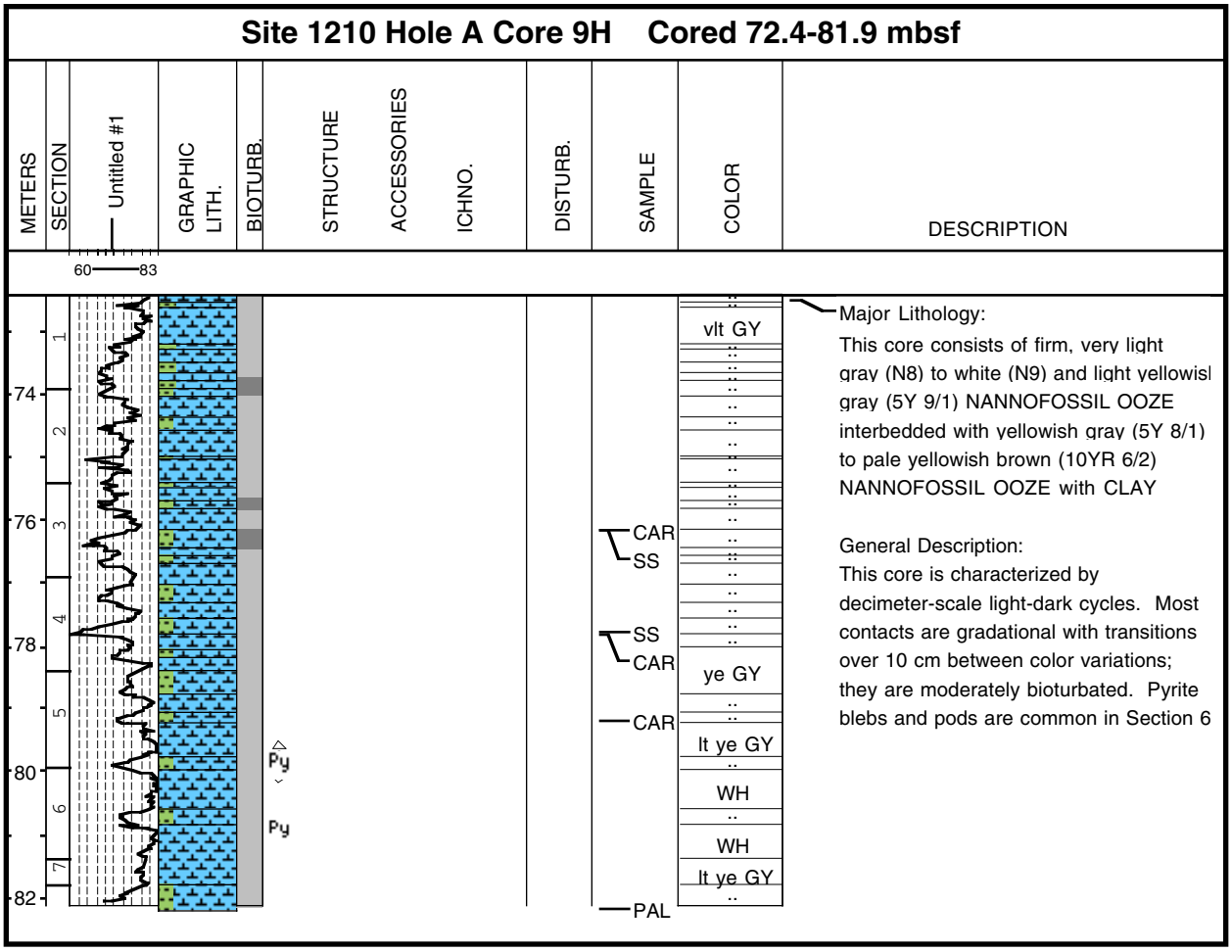
Core Photo


Site 1210 Hole A Core 7H Cored 53.4-62.9 mbsf
METERS
SECTION
Reflectance
55
84
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
54
56
58
60
62
1
2
3
4
5
6
7
Py
Py
Py
SS
CAR
CAR
SS
IW
CAR
SS
SS
PAL
vlt GY
lt GY
vlt GY
vlt GY
vlt GY
lt ol GY
vlt GY
Major Lithology:
Very light gray (N8) NANNOFOSSIL OOZE WITH CLAY, the dominant lithology, alternates in this core with bands (0.5-50 cm) of light gray (N7) and (in Section 7) light olive gray (5Y 6/1) NANNOFOSSIL OOZE WITH CLAY.
General Description:
This core exhibits subtle color cycles. Bioturbation is rare to moderate. Intervals of the dominant lithology thin downcore, from m-scale to about 30-60 cm. Pyrite blebs are present in Sections 3 to 6 and greenish laminae (mm-scale) in Sections 1 to 6.

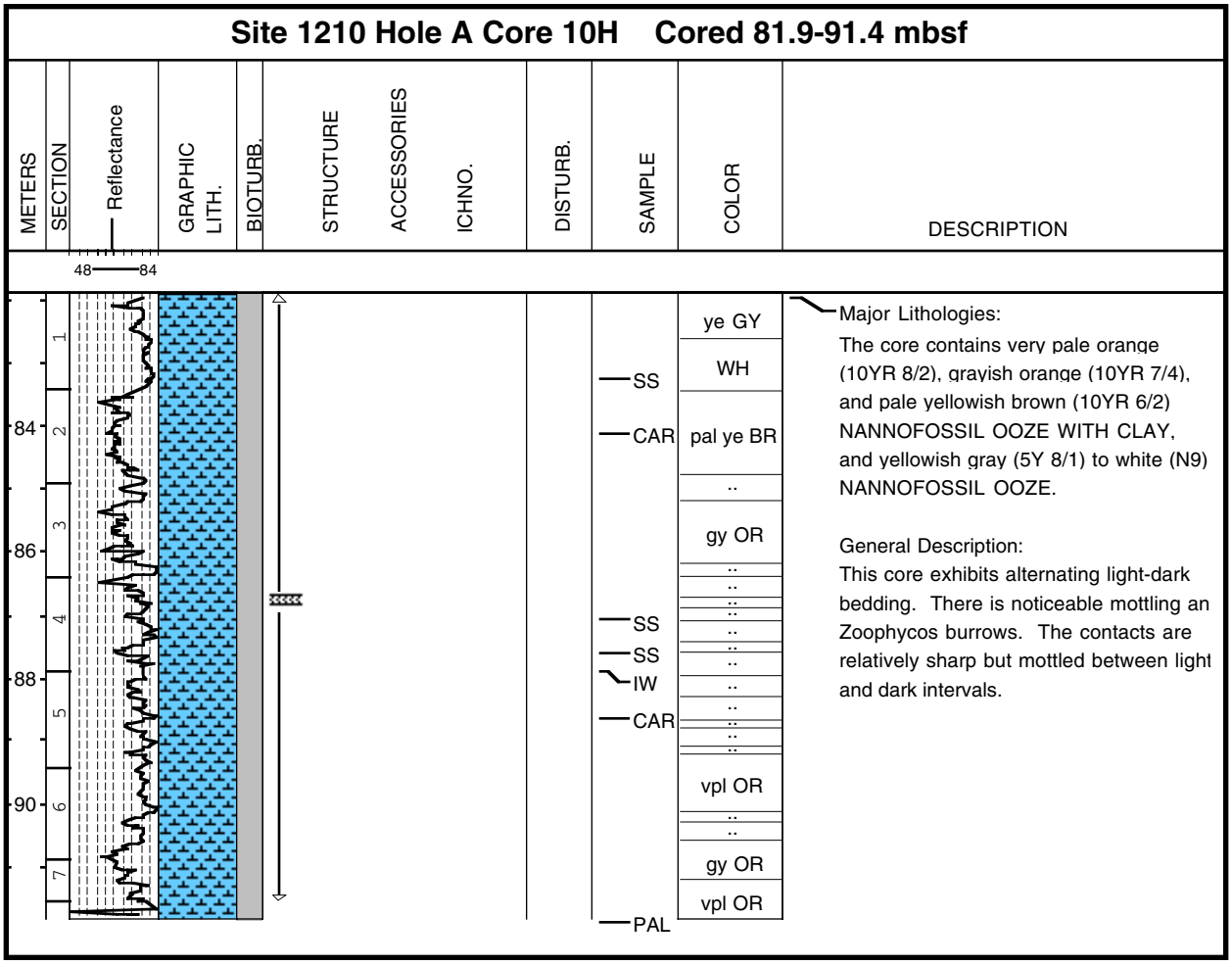
Core Photo


Site 1210 Hole A Core 8H Cored 62.9-72.4 mbsf
METERS
SECTION
Untitled #1
40
83
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
64
66
68
70
72
1
2
3
4
5
6
7
Py
Py
Py
CAR
SS
IW
SS
CAR
PAL
ye GY
lt ol GY
ye GY
ye GY
lt ol GY
ye GY
ye GY
ye GY
ye GY
Major Lithology:
This core consist of subtly alternating yellowish gray (5Y 8/1) NANNOFOSSIL OOZE and light olive gray (5Y 6/1) NANNOFOSSIL OOZE WITH CLAY.
Minor Lithology:
One interval of very light gray (N8) NANNOFOSSIL OOZE is present in Section 6, 110-122 cm.
General Description:
All contacts are gradational to bioturbated. One thin band of pyrite is present at 133-137 cm in Section 3.

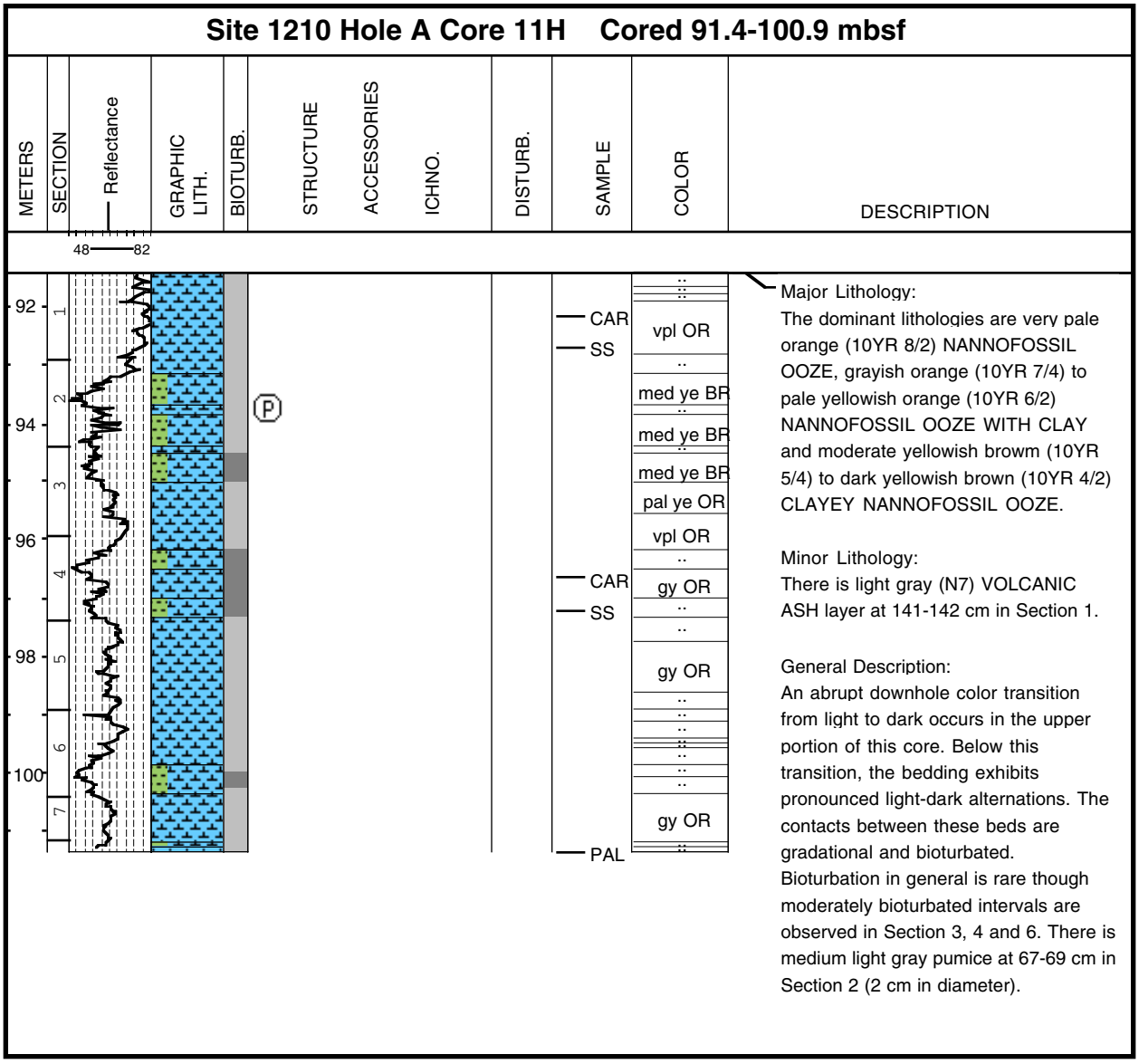
Core Photo


Site 1210 Hole A Core 9H Cored 72.4-81.9 mbsf
METERS
SECTION
Untitled #1
60
83
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
74
76
78
80
82
1
2
3
4
5
6
7
Py
Py
CAR
SS
SS
CAR
CAR
PAL
vlt GY
ye GY
lt ye GY
WH
WH
lt ye GY
Major Lithology:
This core consists of firm, very light gray (N8) to white (N9) and light yellowish gray (5Y 9/1) NANNOFOSSIL OOZE interbedded with yellowish gray (5Y 8/1) to pale yellowish brown (10YR 6/2) NANNOFOSSIL OOZE with CLAY
General Description:
This core is characterized by decimeter-scale light-dark cycles. Most contacts are gradational with transitions over 10 cm between color variations; they are moderately bioturbated. Pyrite blebs and pods are common in Section 6

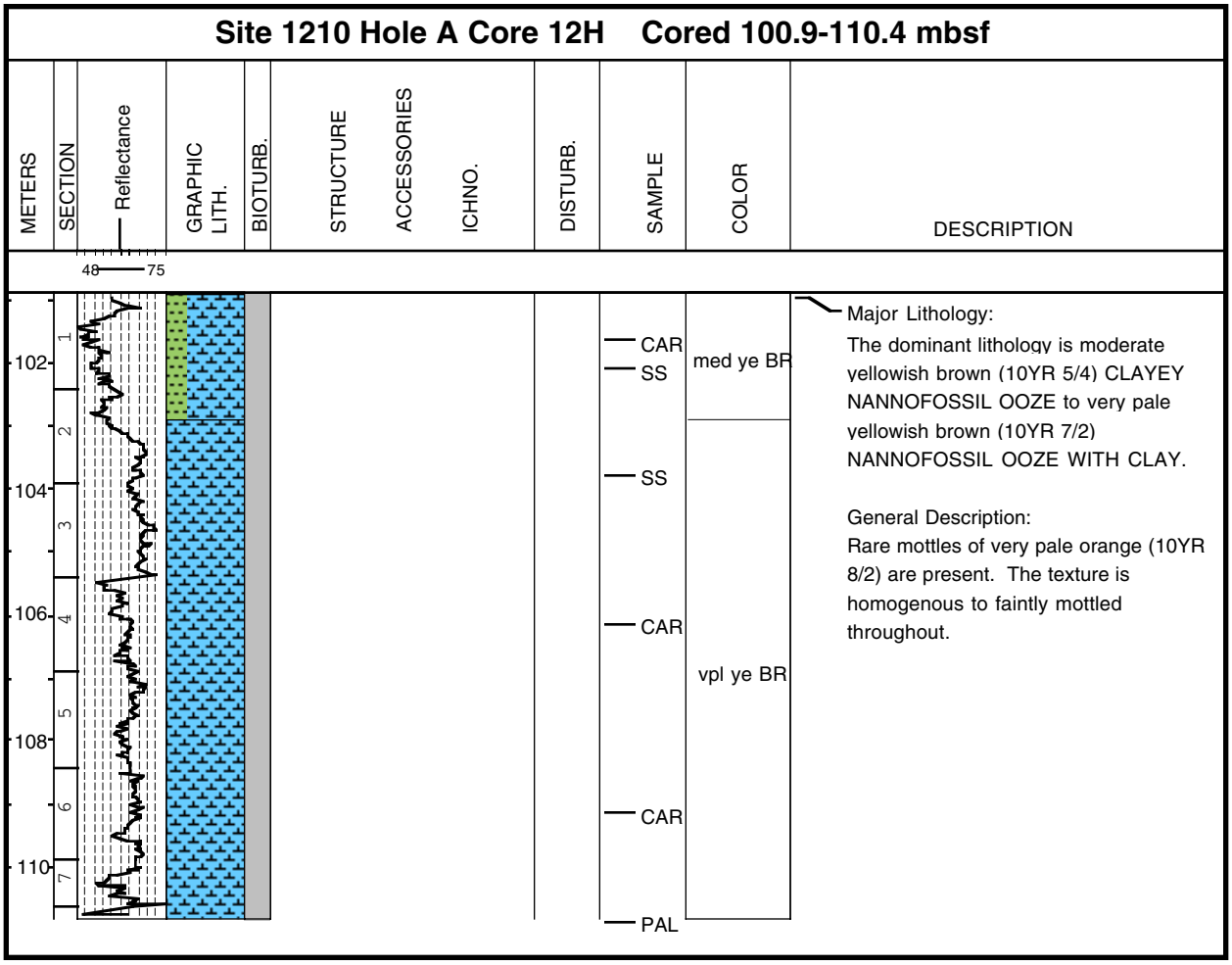
Core Photo


Site 1210 Hole A Core 10H Cored 81.9-91.4 mbsf
METERS
SECTION
Reflectance
48
84
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
84
86
88
90
1
2
3
4
5
6
7
SS
CAR
SS
SS
IW
CAR
PAL
ye GY
WH
pal ye BR
gy OR
vpl OR
gy OR
vpl OR
Major Lithologies:
The core contains very pale orange (10YR 8/2), grayish orange (10YR 7/4), and pale yellowish brown (10YR 6/2) NANNOFOSSIL OOZE WITH CLAY, and yellowish gray (5Y 8/1) to white (N9) NANNOFOSSIL OOZE.
General Description:
This core exhibits alternating light-dark bedding. There is noticeable mottling an Zoophycos burrows. The contacts are relatively sharp but mottled between light and dark intervals.

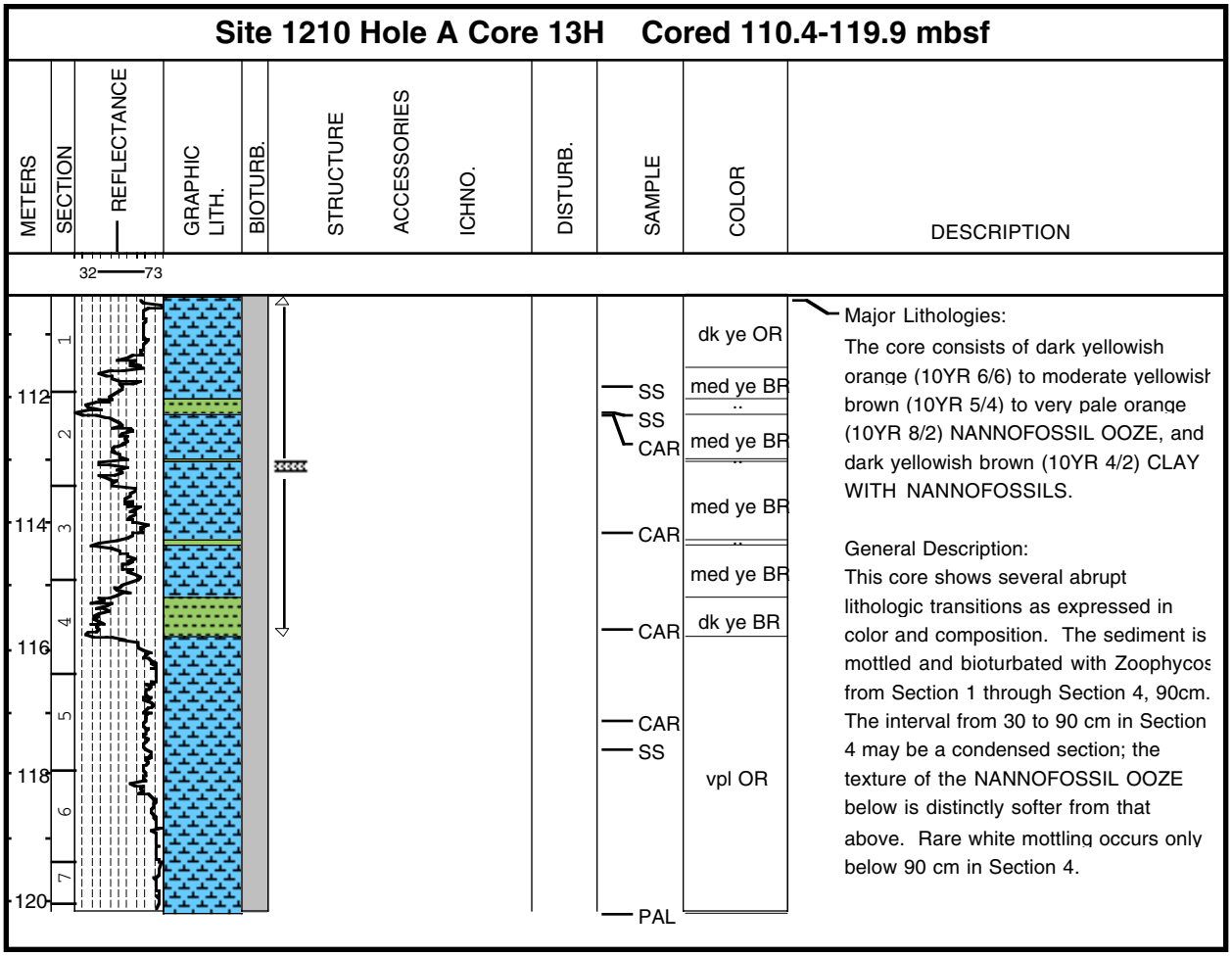
Core Photo


Site 1210 Hole A Core 11H Cored 91.4-100.9 mbsf
METERS
SECTION
Reflectance
48
82
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
92
94
96
98
100
1
2
3
4
5
6
7
P
CAR
SS
CAR
SS
PAL
vpl OR
med ye BR
med ye BR
med ye BR
pal ye OR
vpl OR
gy OR
gy OR
gy OR
Major Lithology:
The dominant lithologies are very pale orange (10YR 8/2) NANNOFOSSIL OOZE, grayish orange (10YR 7/4) to pale yellowish orange (10YR 6/2) NANNOFOSSIL OOZE WITH CLAY and moderate yellowish browm (10YR 5/4) to dark yellowish brown (10YR 4/2) CLAYEY NANNOFOSSIL OOZE.
Minor Lithology:
There is light gray (N7) VOLCANIC ASH layer at 141-142 cm in Section 1.
General Description:
An abrupt downhole color transition from light to dark occurs in the upper portion of this core. Below this transition, the bedding exhibits pronounced light-dark alternations. The contacts between these beds are gradational and bioturbated.
Bioturbation in general is rare though moderately bioturbated intervals are observed in Section 3, 4 and 6. There is medium light gray pumice at 67-69 cm in Section 2 (2 cm in diameter).

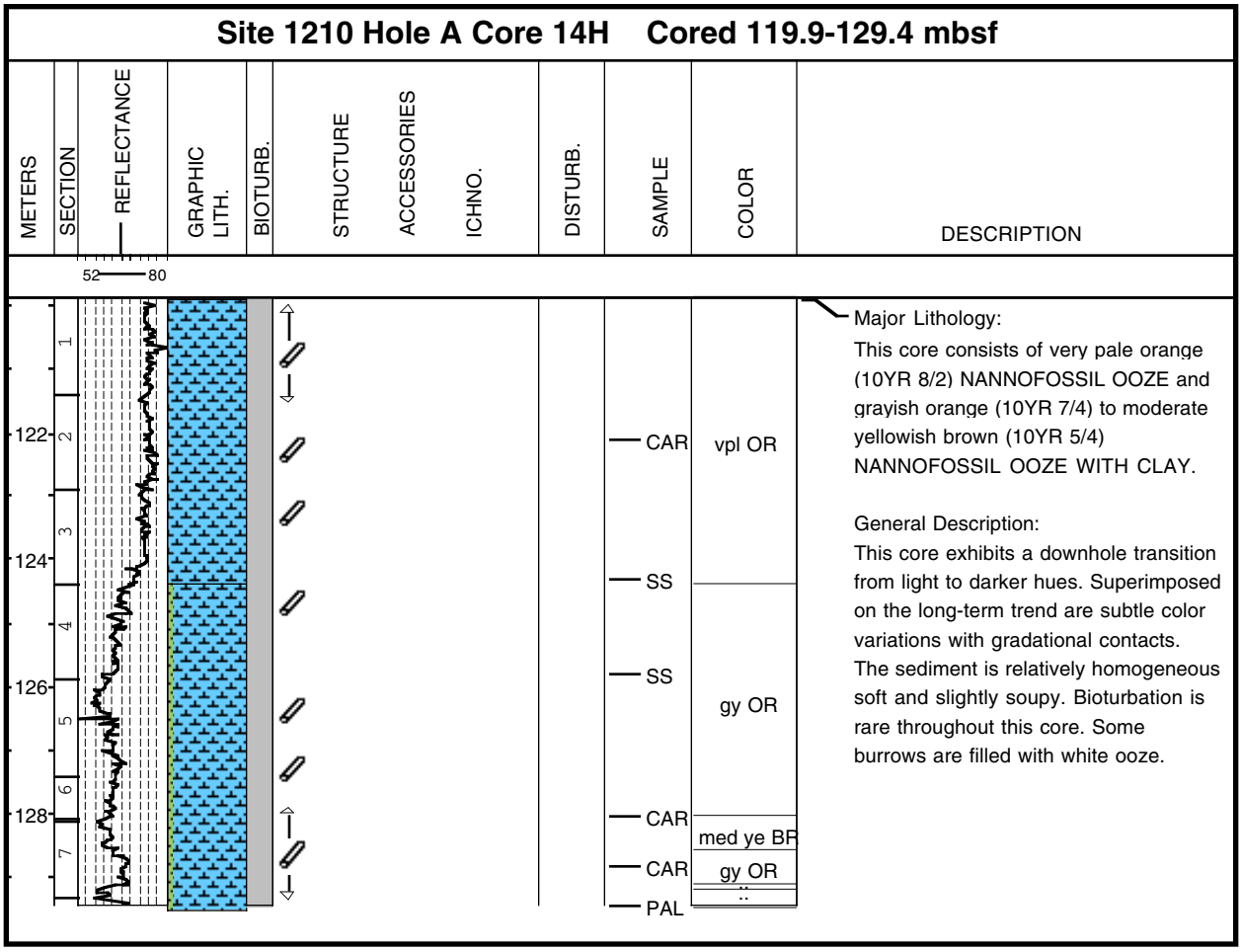
Core Photo


Site 1210 Hole A Core 12H Cored 100.9-110.4 mbsf
METERS
SECTION
Reflectance
48
75
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
102
104
106
108
110
1
2
3
4
5
6
7
CAR
SS
SS
CAR
CAR
PAL
med ye BR
vpl ye BR
Major Lithology:
The dominant lithology is moderate yellowish brown (10YR 5/4) CLAYEY NANNOFOSSIL OOZE to very pale yellowish brown (10YR 7/2) NANNOFOSSIL OOZE WITH CLAY.
General Description:
Rare mottles of very pale orange (10YR 8/2) are present. The texture is homogenous to faintly mottled throughout.

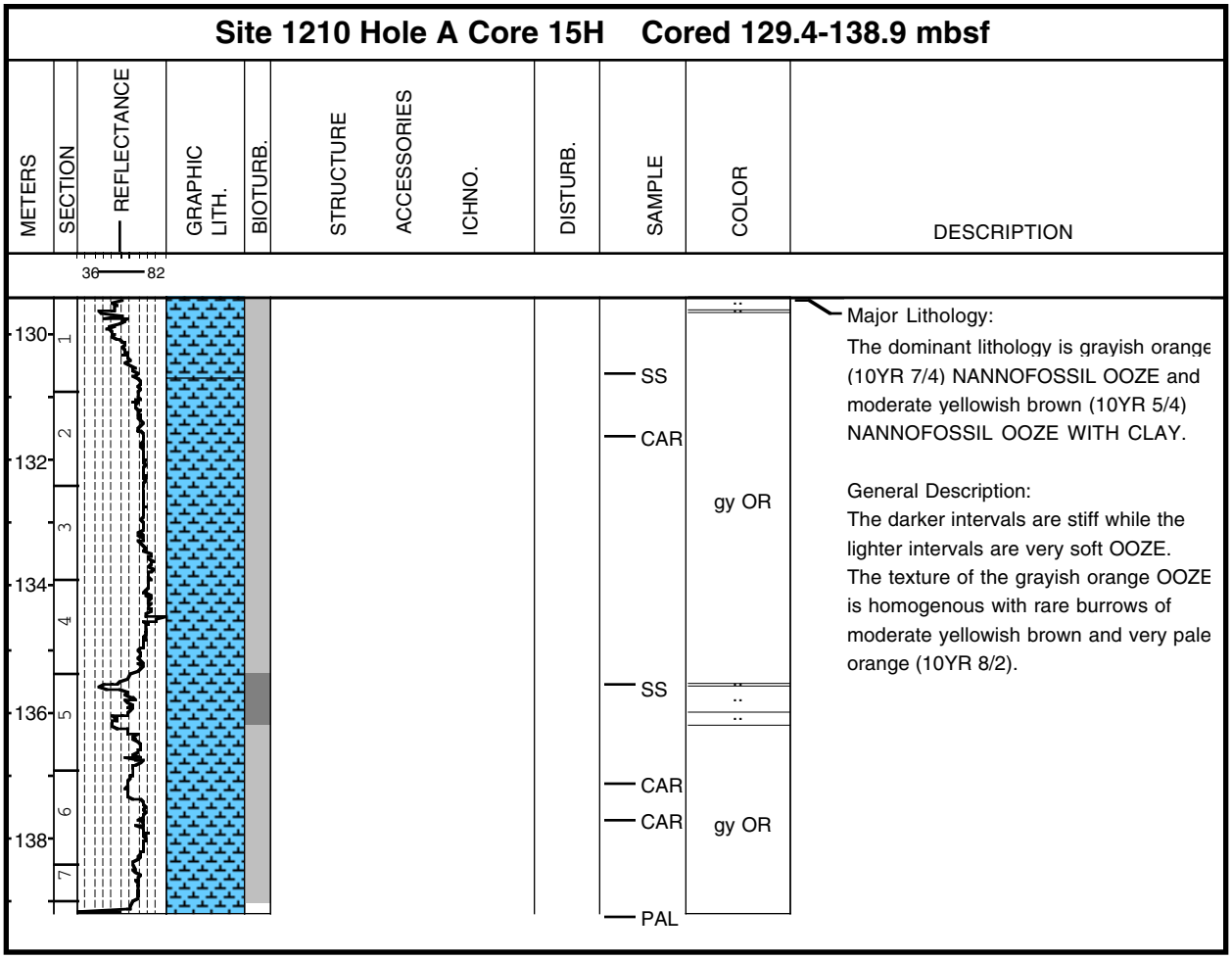
Core Photo


Site 1210 Hole A Core 13H Cored 110.4-119.9 mbsf
METERS
SECTION
REFLECTANCE
32
73
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
112
114
116
118
120
1
2
3
4
5
6
7
SS
SS
CAR
CAR
CAR
CAR
SS
PAL
dk ye OR
med ye BR
med ye BR
med ye BR
dk ye BR
vpl OR
Major Lithologies:
The core consists of dark yellowish orange (10YR 6/6) to moderate yellowish brown (10YR 5/4) to very pale orange (10YR 8/2) NANNOFOSSIL OOZE, and dark yellowish brown (10YR 4/2) CLAY WITH NANNOFOSSILS.
General Description:
This core shows several abrupt lithologic transitions as expressed in color and composition. The sediment is mottled and bioturbated with Zoophycos from Section 1 through Section 4, 90cm. The interval from 30 to 90 cm in Section 4 may be a condensed section; the texture of the NANNOFOSSIL OOZE below is distinctly softer from that above. Rare white mottling occurs only below 90 cm in Section 4.

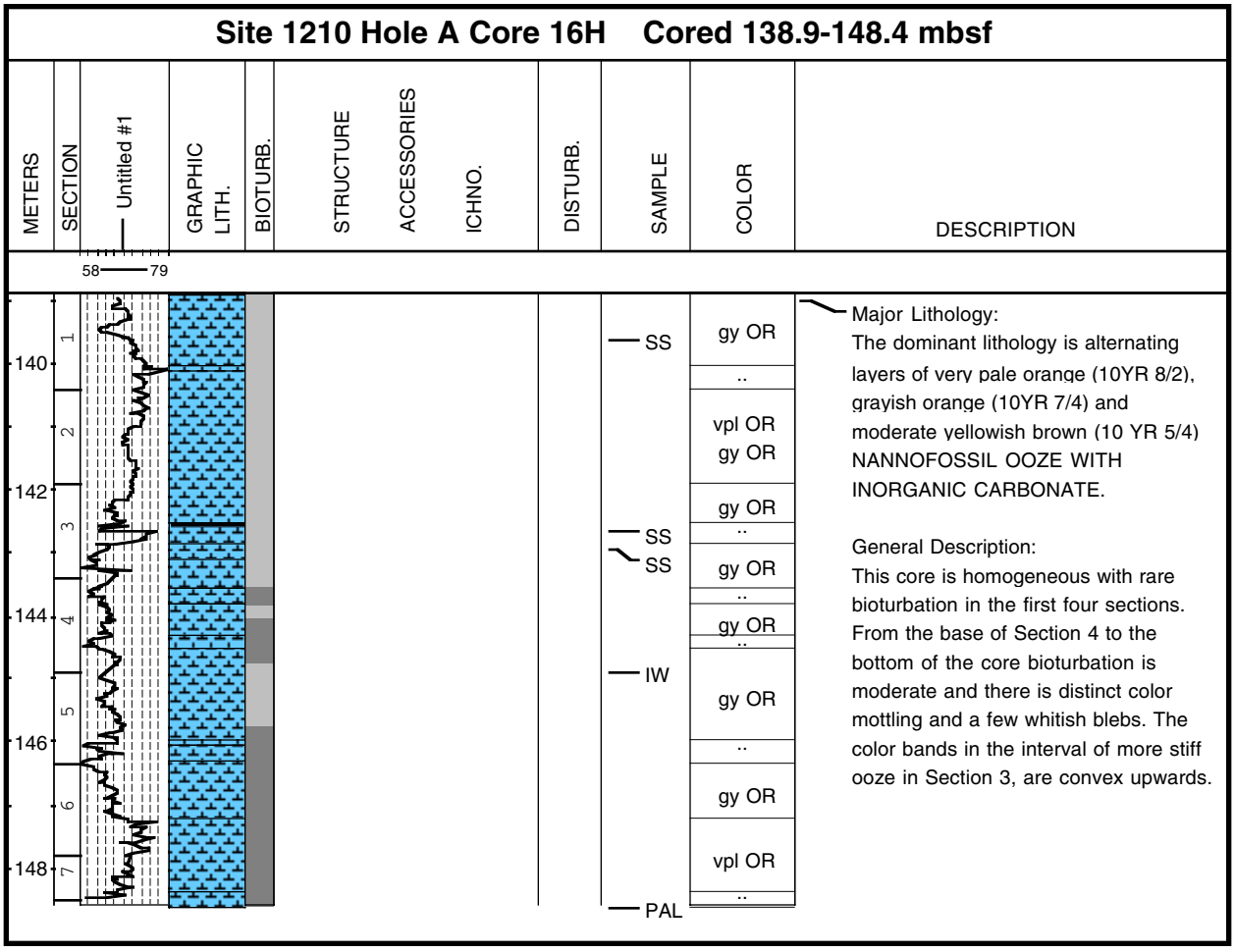
Core Photo


Site 1210 Hole A Core 14H Cored 119.9-129.4 mbsf
METERS
SECTION
REFLECTANCE
52
80
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
122
124
126
128
1
2
3
4
5
6
7
CAR
SS
SS
CAR
CAR
PAL
vpl OR
gy OR
med ye BR
gy OR
Major Lithology:
This core consists of very pale orange (10YR 8/2) NANNOFOSSIL OOZE and grayish orange (10YR 7/4) to moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE WITH CLAY.
General Description:
This core exhibits a downhole transition from light to darker hues. Superimposed on the long-term trend are subtle color variations with gradational contacts. The sediment is relatively homogeneous soft and slightly soupy. Bioturbation is rare throughout this core. Some burrows are filled with white ooze.

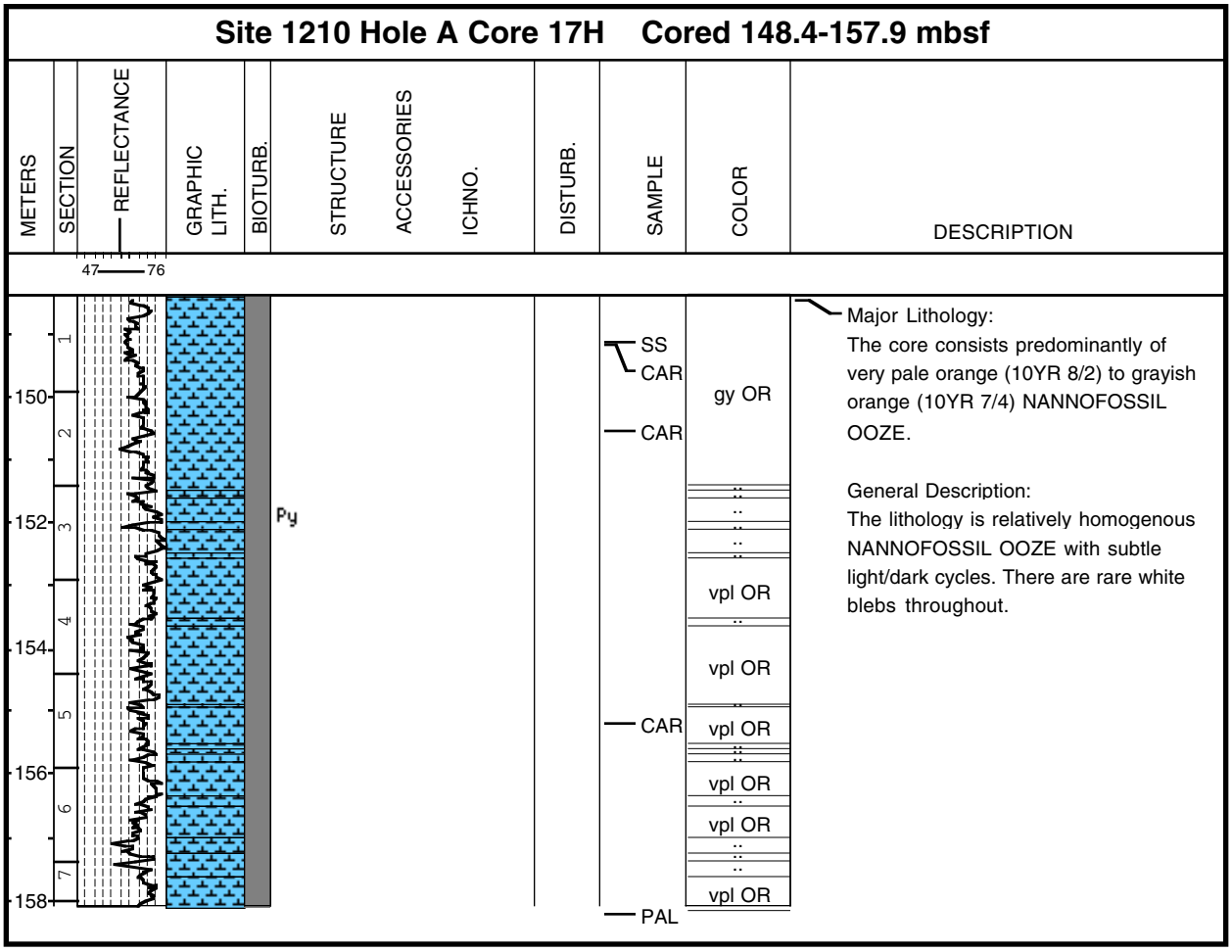
Core Photo


Site 1210 Hole A Core 15H Cored 129.4-138.9 mbsf
METERS
SECTION
REFLECTANCE
36
82
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
130
132
134
136
138
1
2
3
4
5
6
7
SS
CAR
SS
CAR
CAR
PAL
gy OR
gy OR
Major Lithology:
The dominant lithology is grayish orange (10YR 7/4) NANNOFOSSIL OOZE and moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE WITH CLAY.
General Description:
The darker intervals are stiff while the lighter intervals are very soft OOZE. The texture of the grayish orange OOZE is homogenous with rare burrows of moderate yellowish brown and very pale orange (10YR 8/2).

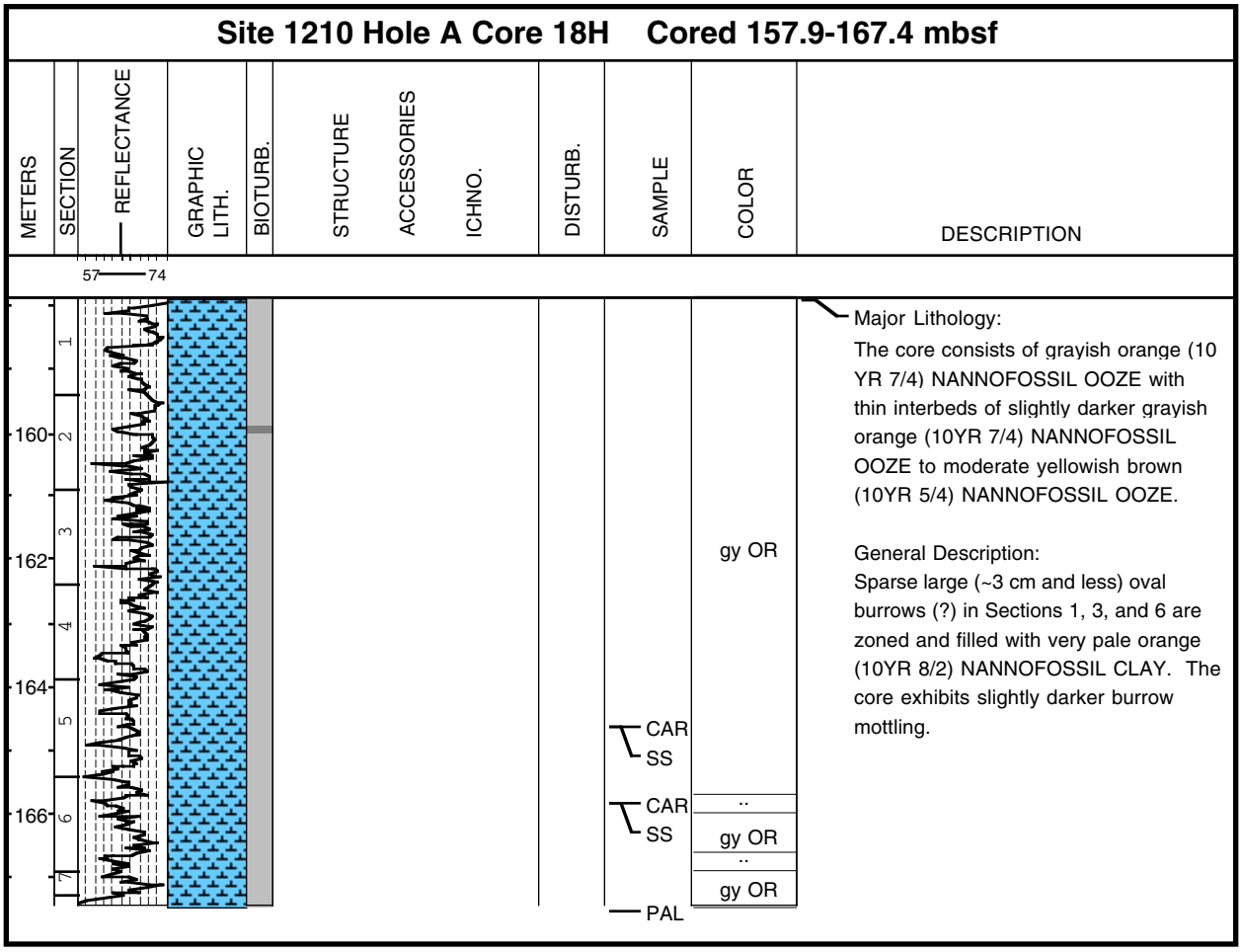
Core Photo


Site 1210 Hole A Core 16H Cored 138.9-148.4 mbsf
METERS
SECTION
Untitled #1
58
79
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
140
142
144
146
148
1
2
3
4
5
6
7
SS
SS
SS
IW
PAL
gy OR
vpl OR
gy OR
gy OR
gy OR
gy OR
gy OR
vpl OR
Major Lithology:
The dominant lithology is alternating layers of very pale orange (10YR 8/2), grayish orange (10YR 7/4) and moderate yellowish brown (10 YR 5/4) NANNOFOSSIL OOZE WITH INORGANIC CARBONATE.
General Description:
This core is homogeneous with rare bioturbation in the first four sections. From the base of Section 4 to the bottom of the core bioturbation is moderate and there is distinct color mottling and a few whitish blebs. The color bands in the interval of more stiff ooze in Section 3, are convex upwards.

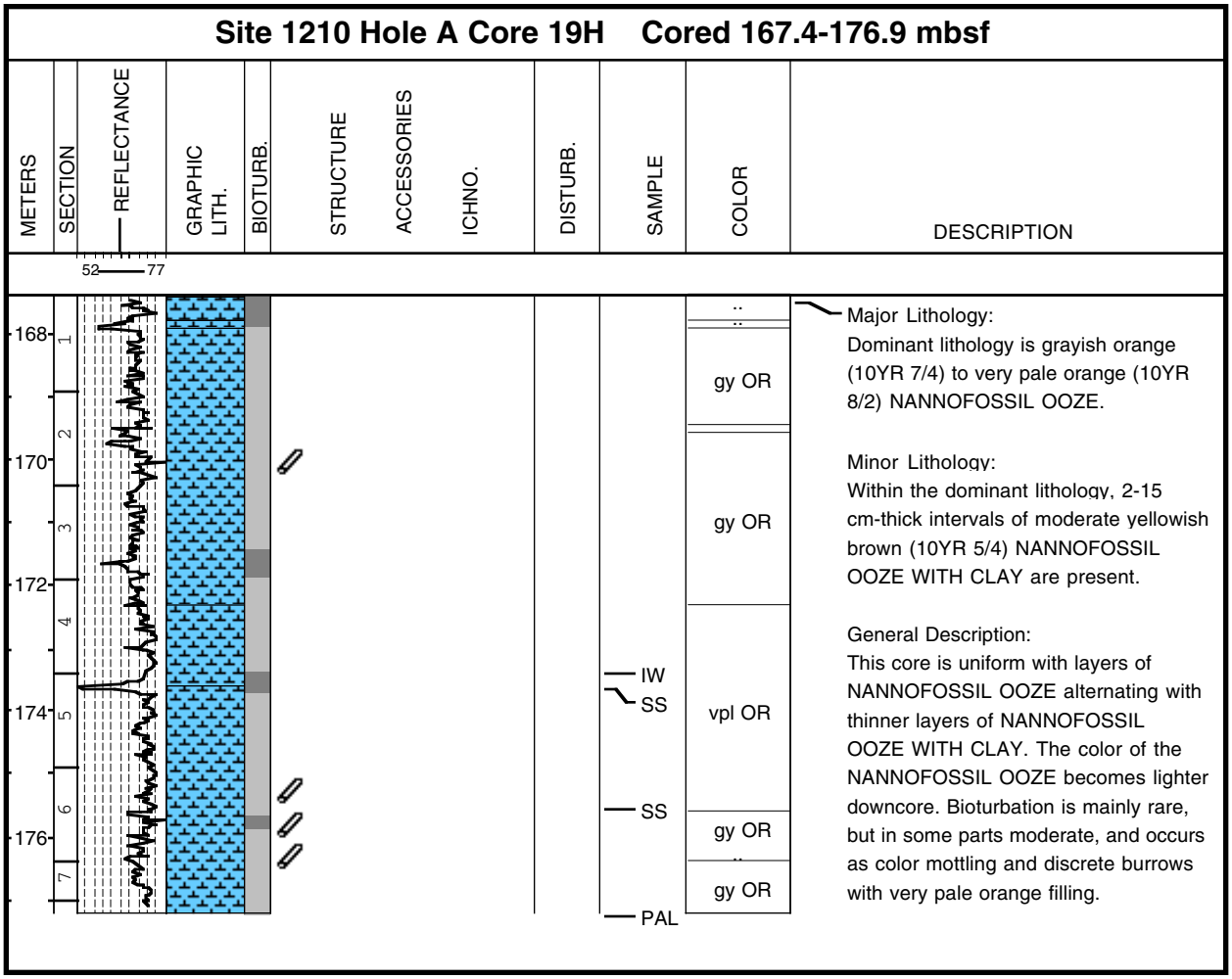
Core Photo


Site 1210 Hole A Core 17H Cored 148.4-157.9 mbsf
METERS
SECTION
REFLECTANCE
47
76
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
150
152
154
156
158
1
2
3
4
5
6
7
Py
SS
CAR
CAR
CAR
PAL
gy OR
vpl OR
vpl OR
vpl OR
vpl OR
vpl OR
vpl OR
Major Lithology:
The core consists predominantly of very pale orange (10YR 8/2) to grayish orange (10YR 7/4) NANNOFOSSIL OOZE.
General Description:
The lithology is relatively homogenous NANNOFOSSIL OOZE with subtle light/dark cycles. There are rare white blebs throughout.

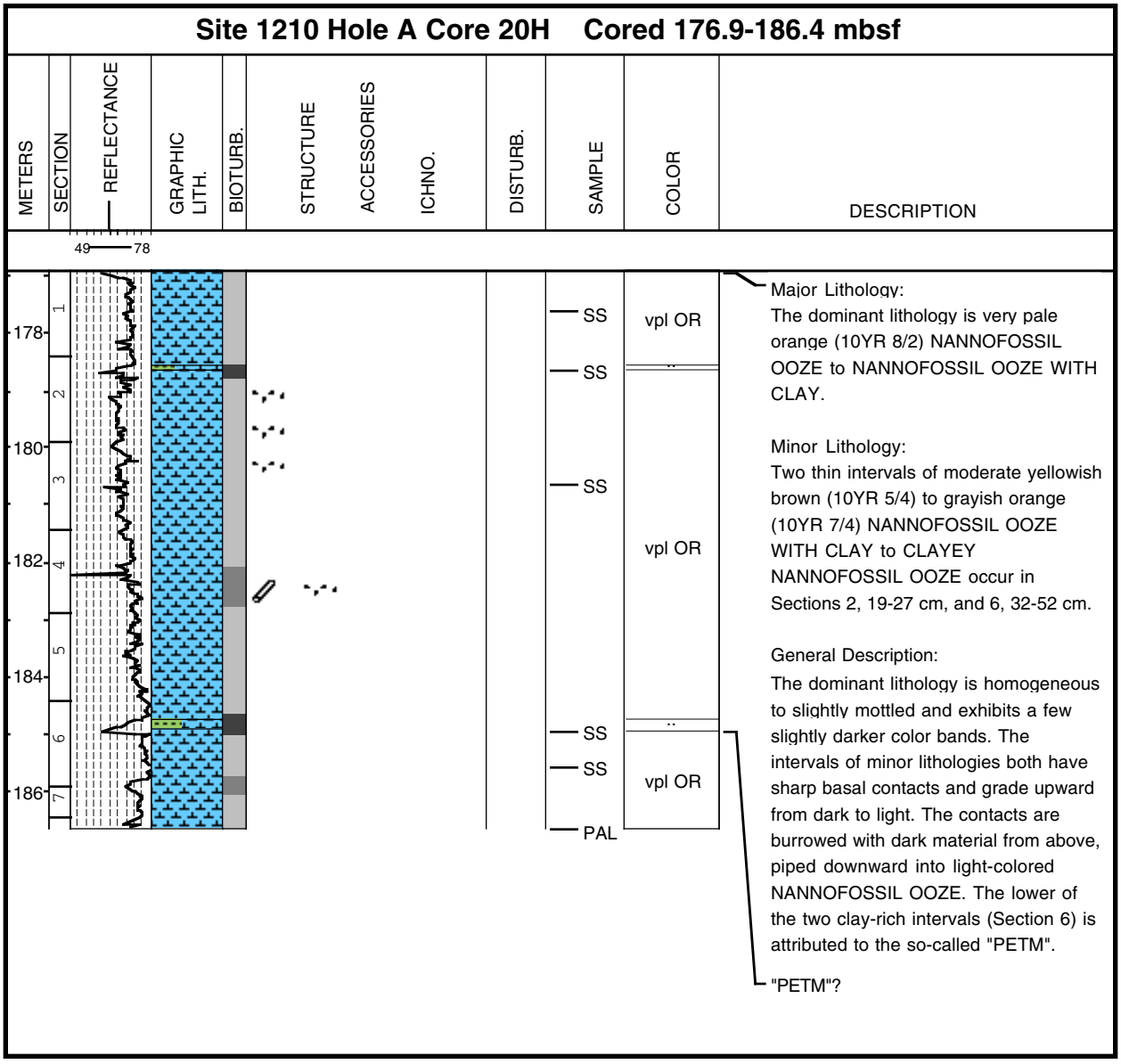
Core Photo


Site 1210 Hole A Core 18H Cored 157.9-167.4 mbsf
METERS
SECTION
REFLECTANCE
57
74
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
160
162
164
166
1
2
3
4
5
6
7
CAR
SS
CAR
SS
PAL
gy OR
gy OR
gy OR
Major Lithology:
The core consists of grayish orange (10 YR 7/4) NANNOFOSSIL OOZE with thin interbeds of slightly darker grayish orange (10YR 7/4) NANNOFOSSIL OOZE to moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE.
General Description:
Sparse large (~3 cm and less) oval burrows (?) in Sections 1, 3, and 6 are zoned and filled with very pale orange (10YR 8/2) NANNOFOSSIL CLAY. The core exhibits slightly darker burrow mottling.

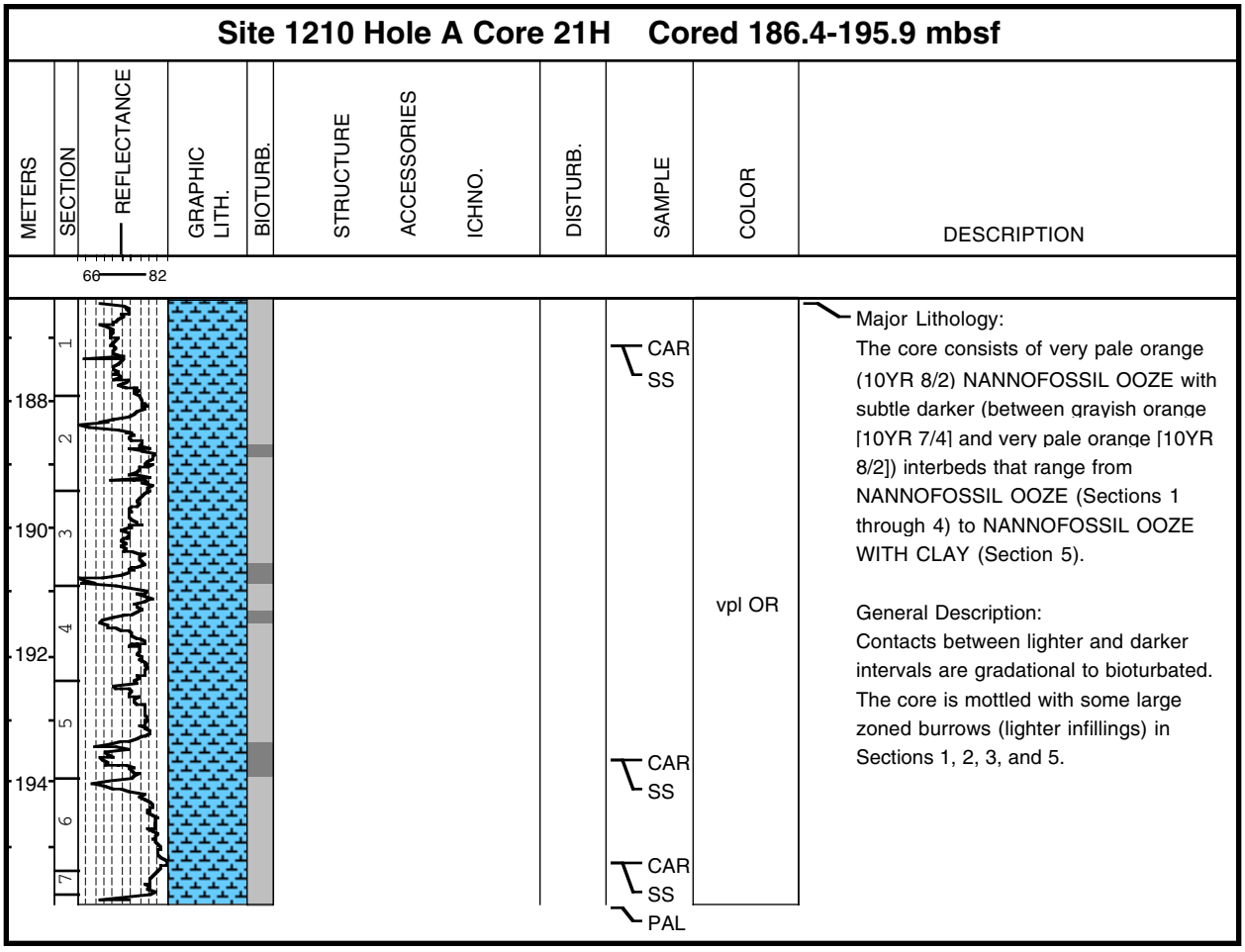
Core Photo


Site 1210 Hole A Core 19H Cored 167.4-176.9 mbsf
METERS
SECTION
REFLECTANCE
52
77
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
168
170
172
174
176
1
2
3
4
5
6
7
IW
SS
SS
PAL
gy OR
gy OR
vpl OR
gy OR
gy OR
Major Lithology:
Dominant lithology is grayish orange (10YR 7/4) to very pale orange (10YR 8/2) NANNOFOSSIL OOZE.
Minor Lithology:
Within the dominant lithology, 2-15 cm-thick intervals of moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE WITH CLAY are present.
General Description:
This core is uniform with layers of NANNOFOSSIL OOZE alternating with thinner layers of NANNOFOSSIL OOZE WITH CLAY. The color of the NANNOFOSSIL OOZE becomes lighter downcore. Bioturbation is mainly rare, but in some parts moderate, and occurs as color mottling and discrete burrows with very pale orange filling.

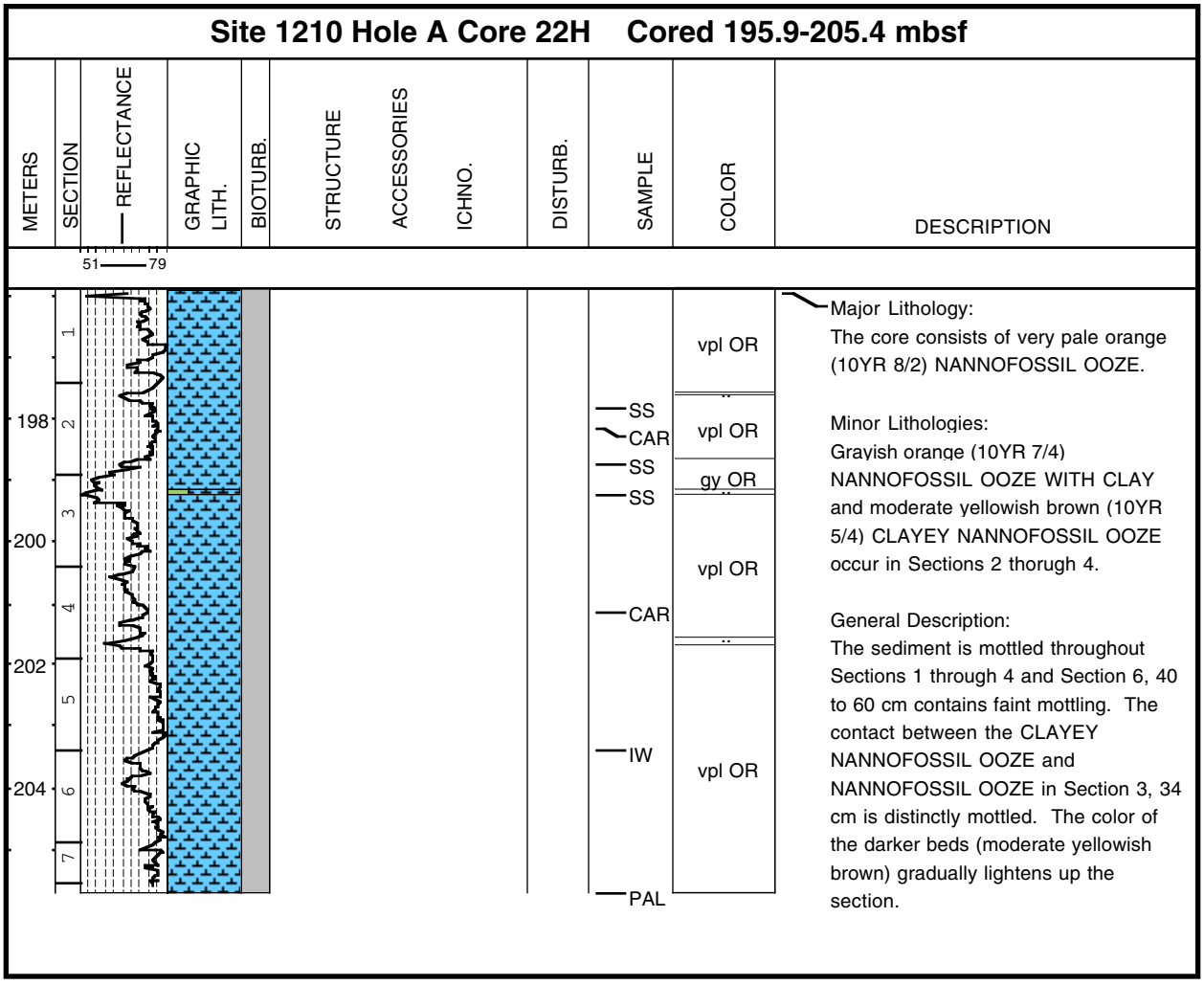
Core Photo


Site 1210 Hole A Core 20H Cored 176.9-186.4 mbsf
METERS
SECTION
REFLECTANCE
49
78
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
178
180
182
184
186
1
2
3
4
5
6
7
SS
SS
SS
SS
SS
PAL
vpl OR
vpl OR
vpl OR
Major Lithology:
The dominant lithology is very pale orange (10YR 8/2) NANNOFOSSIL OOZE to NANNOFOSSIL OOZE WITH CLAY.
Minor Lithology:
Two thin intervals of moderate yellowish brown (10YR 5/4) to grayish orange (10YR 7/4) NANNOFOSSIL OOZE WITH CLAY to CLAYEY NANNOFOSSIL OOZE occur in Sections 2, 19-27 cm, and 6, 32-52 cm.
General Description:
The dominant lithology is homogeneous to slightly mottled and exhibits a few slightly darker color bands. The intervals of minor lithologies both have sharp basal contacts and grade upward from dark to light. The contacts are burrowed with dark material from above, piped downward into light-colored NANNOFOSSIL OOZE. The lower of the two clay-rich intervals (Section 6) is attributed to the so-called "PETM".
"PETM"?

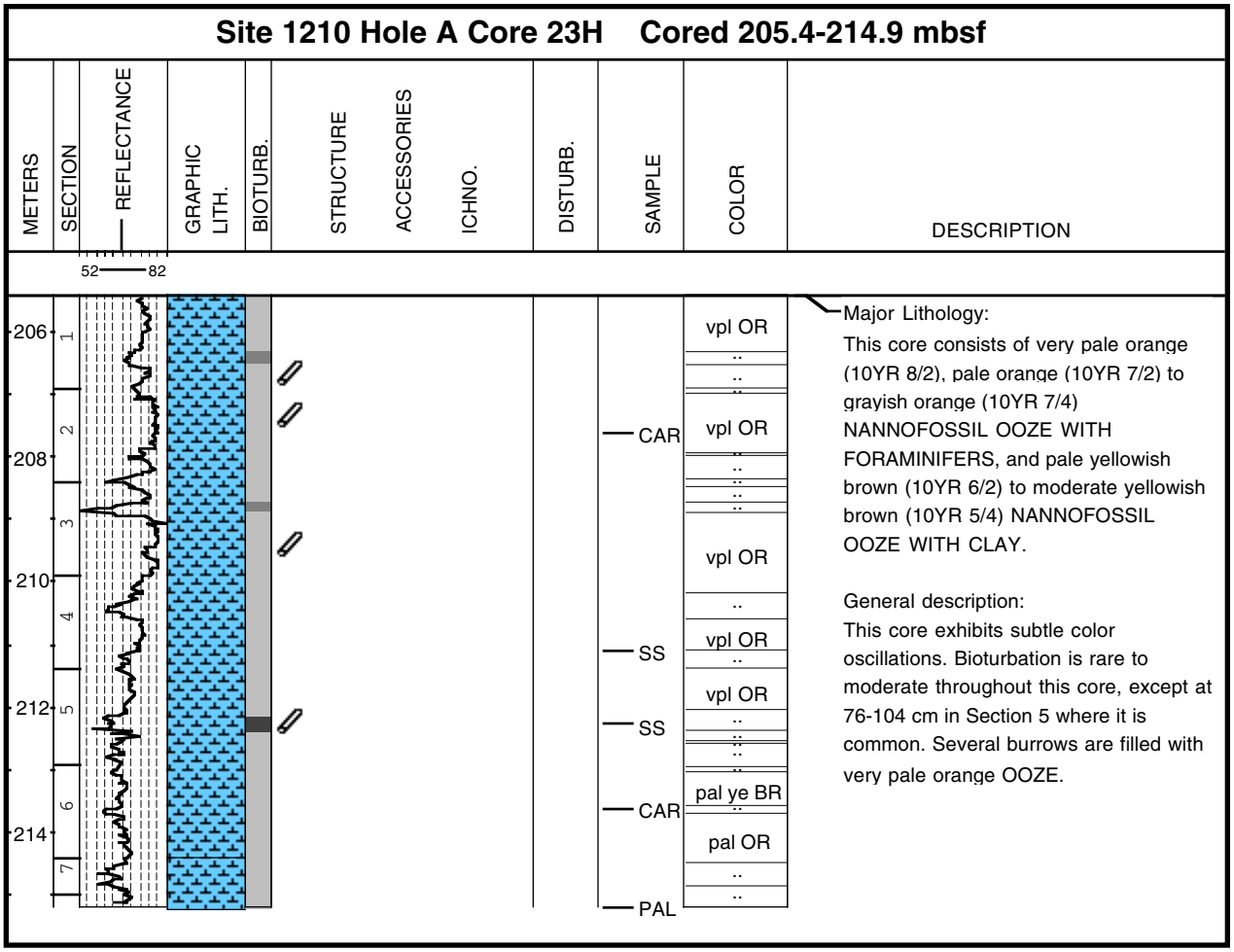
Core Photo


Site 1210 Hole A Core 21H Cored 186.4-195.9 mbsf
METERS
SECTION
REFLECTANCE
66
82
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
188
190
192
194
1
2
3
4
5
6
7
CAR
SS
CAR
SS
CAR
SS
PAL
vpl OR
Major Lithology:
The core consists of very pale orange (10YR 8/2) NANNOFOSSIL OOZE with subtle darker (between grayish orange [10YR 7/4] and very pale orange [10YR 8/2]) interbeds that range from NANNOFOSSIL OOZE (Sections 1 through 4) to NANNOFOSSIL OOZE WITH CLAY (Section 5).
General Description:
Contacts between lighter and darker intervals are gradational to bioturbated. The core is mottled with some large zoned burrows (lighter infillings) in Sections 1, 2, 3, and 5.

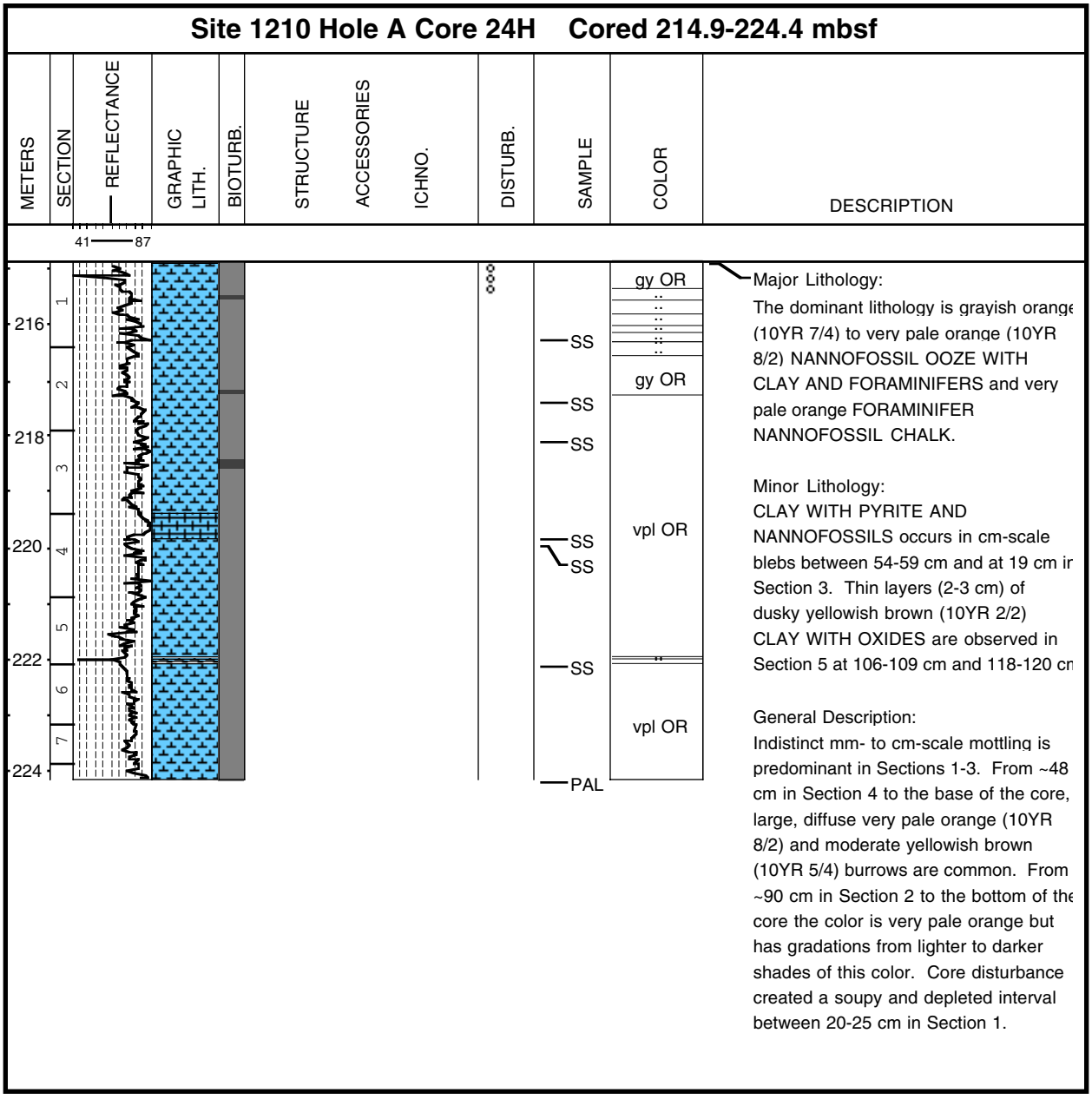
Core Photo


Site 1210 Hole A Core 22H Cored 195.9-205.4 mbsf
METERS
SECTION
REFLECTANCE
51
79
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
198
200
202
204
1
2
3
4
5
6
7
SS
CAR
SS
SS
CAR
IW
PAL
vpl OR
vpl OR
gy OR
vpl OR
vpl OR
Major Lithology:
The core consists of very pale orange (10YR 8/2) NANNOFOSSIL OOZE.
Minor Lithologies:
Grayish orange (10YR 7/4) NANNOFOSSIL OOZE WITH CLAY and moderate yellowish brown (10YR 5/4) CLAYEY NANNOFOSSIL OOZE occur in Sections 2 thorugh 4.
General Description:
The sediment is mottled throughout Sections 1 through 4 and Section 6, 40 to 60 cm contains faint mottling. The contact between the CLAYEY NANNOFOSSIL OOZE and NANNOFOSSIL OOZE in Section 3, 34 cm is distinctly mottled. The color of the darker beds (moderate yellowish brown) gradually lightens up the section.

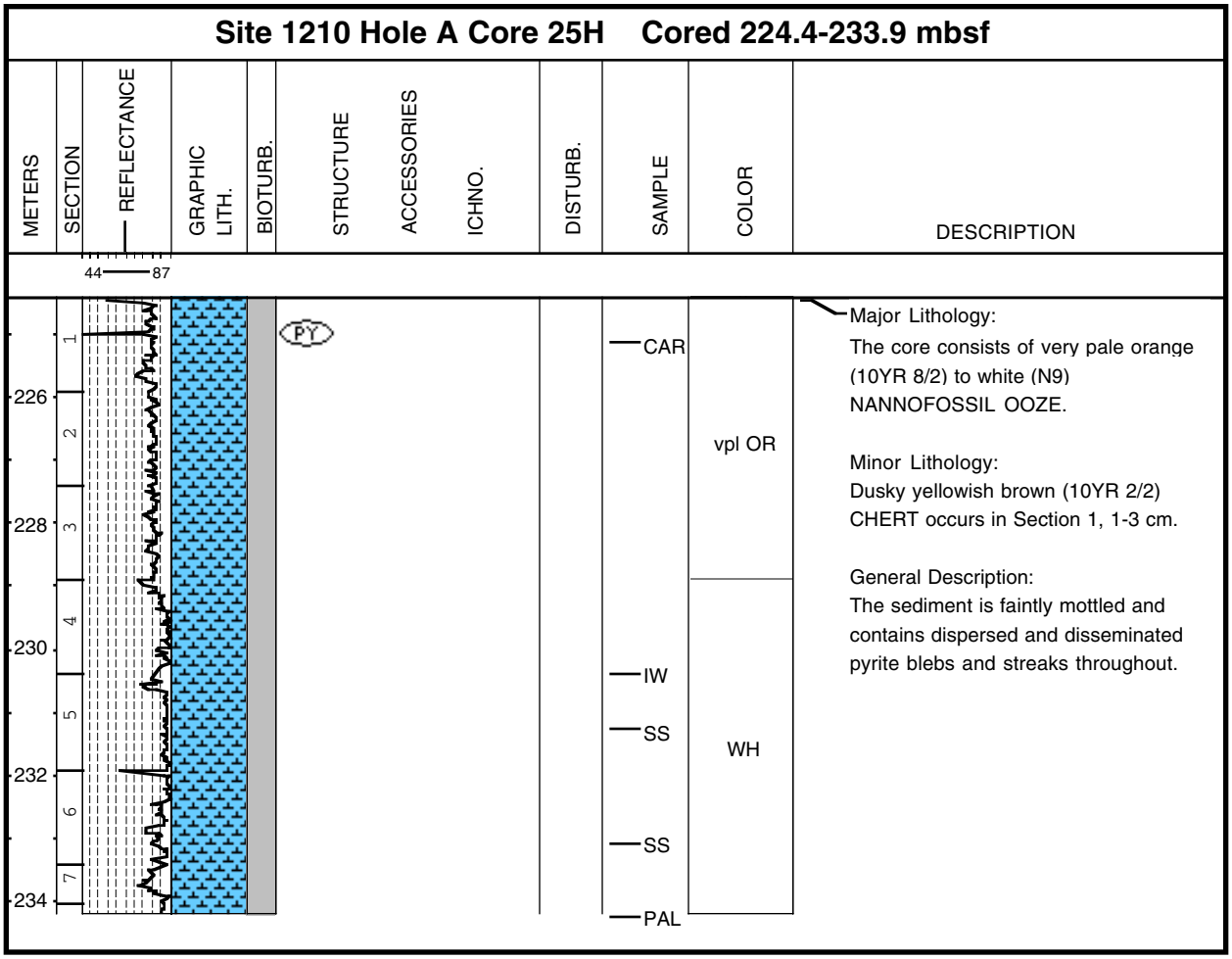
Core Photo


Site 1210 Hole A Core 23H Cored 205.4-214.9 mbsf
METERS
SECTION
REFLECTANCE
52
82
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
206
208
210
212
214
1
2
3
4
5
6
7
CAR
SS
SS
CAR
PAL
vpl OR
vpl OR
vpl OR
vpl OR
pal ye BR
pal OR
Major Lithology:
This core consists of very pale orange (10YR 8/2), pale orange (10YR 7/2) to grayish orange (10YR 7/4) NANNOFOSSIL OOZE WITH FORAMINIFERS, and pale yellowish brown (10YR 6/2) to moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE WITH CLAY.
General description:
This core exhibits subtle color oscillations. Bioturbation is rare to moderate throughout this core, except at 76-104 cm in Section 5 where it is common. Several burrows are filled with very pale orange OOZE.

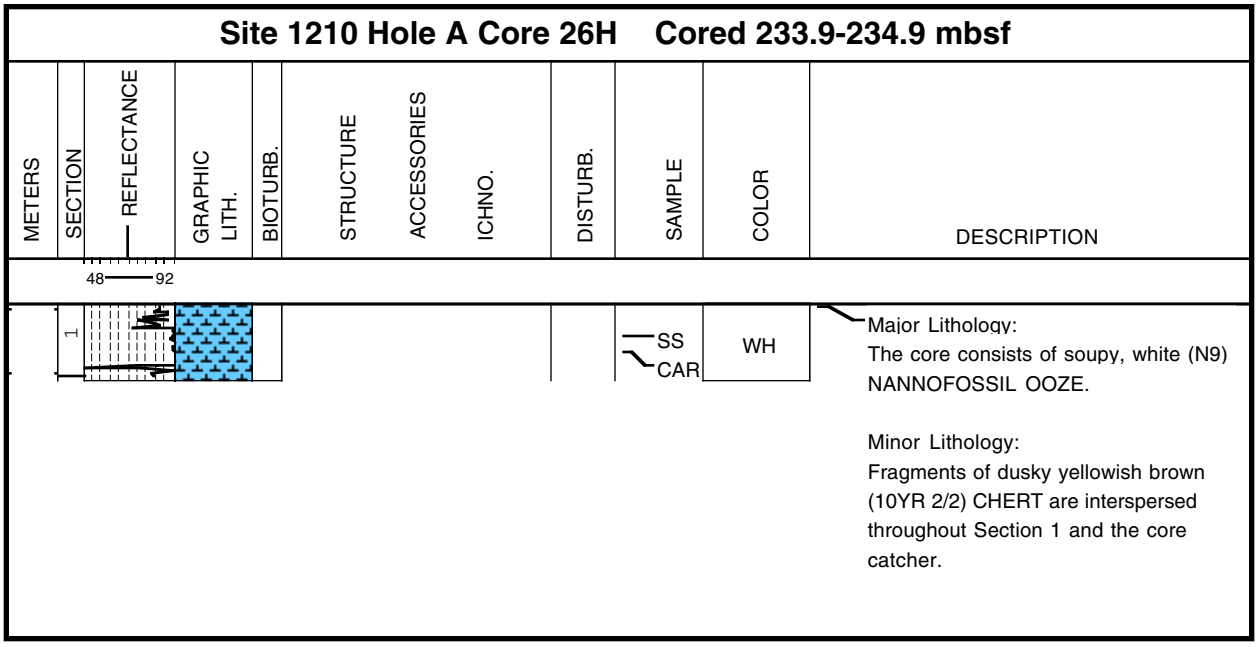
Core Photo


Site 1210 Hole A Core 24H Cored 214.9-224.4 mbsf
METERS
SECTION
REFLECTANCE
41
87
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
216
218
220
222
224
1
2
3
4
5
6
7
SS
SS
SS
SS
SS
SS
PAL
gy OR
gy OR
vpl OR
vpl OR
Major Lithology:
The dominant lithology is grayish orange (10YR 7/4) to very pale orange (10YR 8/2) NANNOFOSSIL OOZE WITH CLAY AND FORAMINIFERS and very pale orange FORAMINIFER NANNOFOSSIL CHALK.
Minor Lithology:
CLAY WITH PYRITE AND NANNOFOSSILS occurs in cm-scale blebs between 54-59 cm and at 19 cm in Section 3. Thin layers (2-3 cm) of dusky yellowish brown (10YR 2/2) CLAY WITH OXIDES are observed in Section 5 at 106-109 cm and 118-120 cm
General Description:
Indistinct mm- to cm-scale mottling is predominant in Sections 1-3. From ~48 cm in Section 4 to the base of the core, large, diffuse very pale orange (10YR 8/2) and moderate yellowish brown (10YR 5/4) burrows are common. From ~90 cm in Section 2 to the bottom of the core the color is very pale orange but has gradations from lighter to darker shades of this color. Core disturbance created a soupy and depleted interval between 20-25 cm in Section 1.

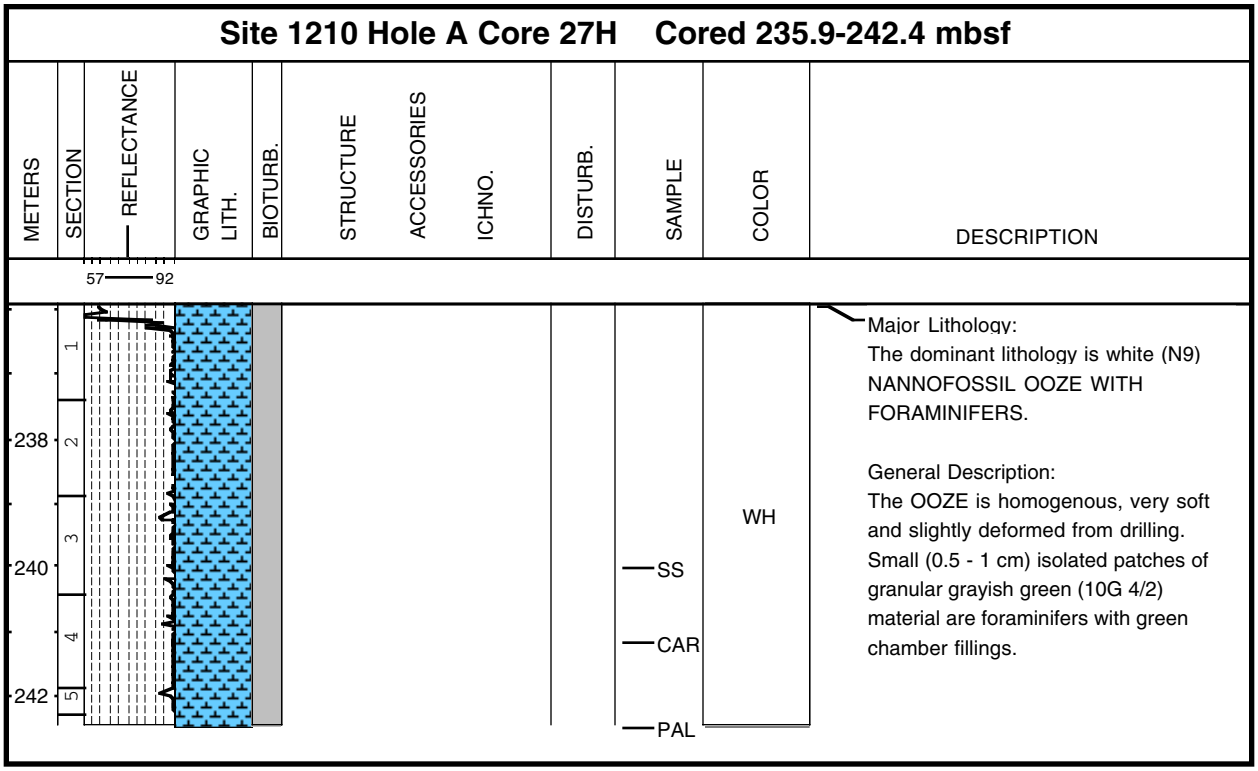
Core Photo


Site 1210 Hole A Core 25H Cored 224.4-233.9 mbsf
METERS
SECTION
REFLECTANCE
44
87
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
226
228
230
232
234
1
2
3
4
5
6
7
PY
CAR
IW
SS
SS
PAL
vpl OR
WH
Major Lithology:
The core consists of very pale orange (10YR 8/2) to white (N9) NANNOFOSSIL OOZE.
Minor Lithology:
Dusky yellowish brown (10YR 2/2) CHERT occurs in Section 1, 1-3 cm.
General Description:
The sediment is faintly mottled and contains dispersed and disseminated pyrite blebs and streaks throughout.

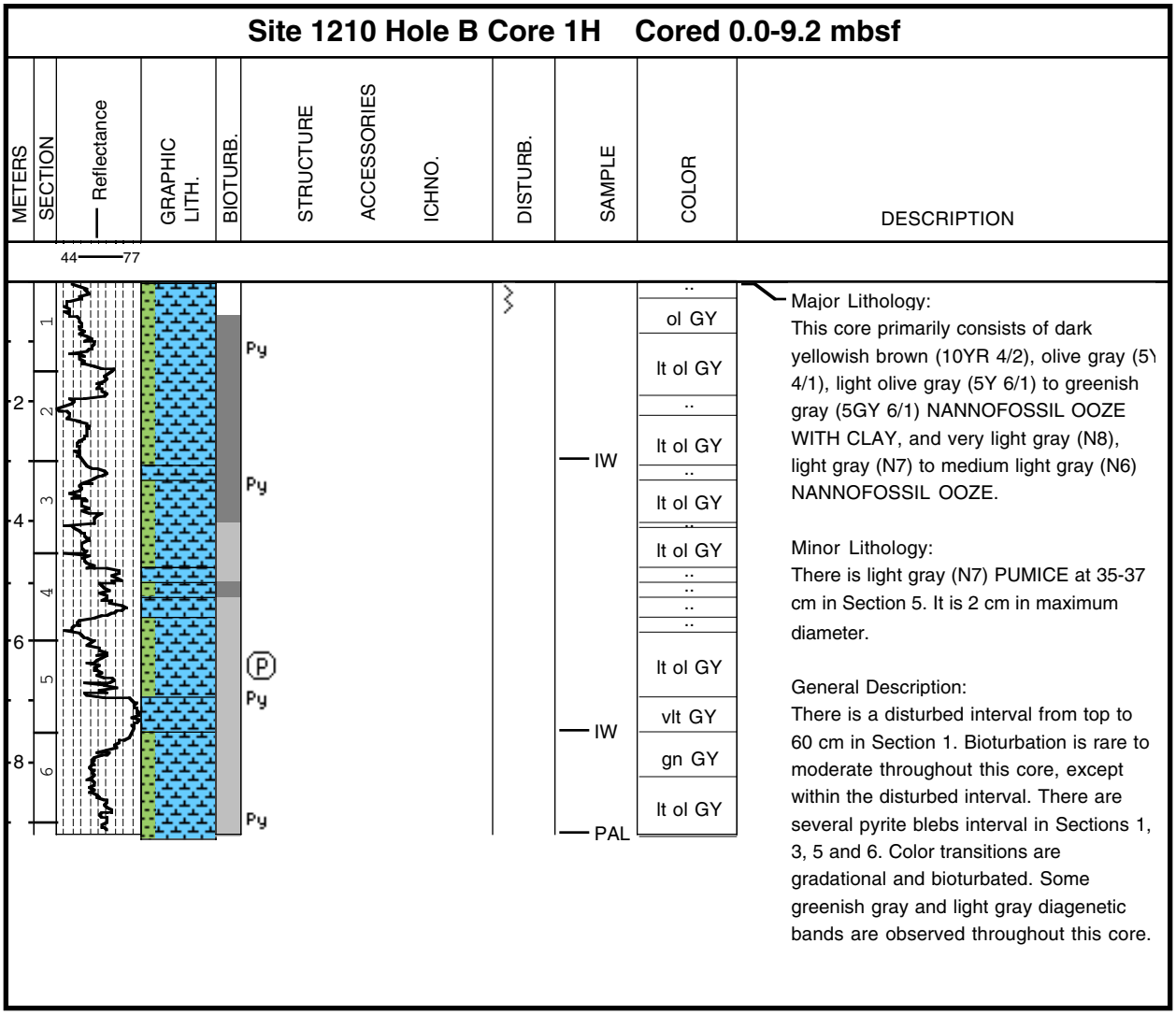
Core Photo


Site 1210 Hole A Core 26H Cored 233.9-234.9 mbsf
METERS
SECTION
REFLECTANCE
48
92
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
1
SS
CAR
WH
Major Lithology:
The core consists of soupy, white (N9) NANNOFOSSIL OOZE.
Minor Lithology:
Fragments of dusky yellowish brown (10YR 2/2) CHERT are interspersed throughout Section 1 and the core catcher.

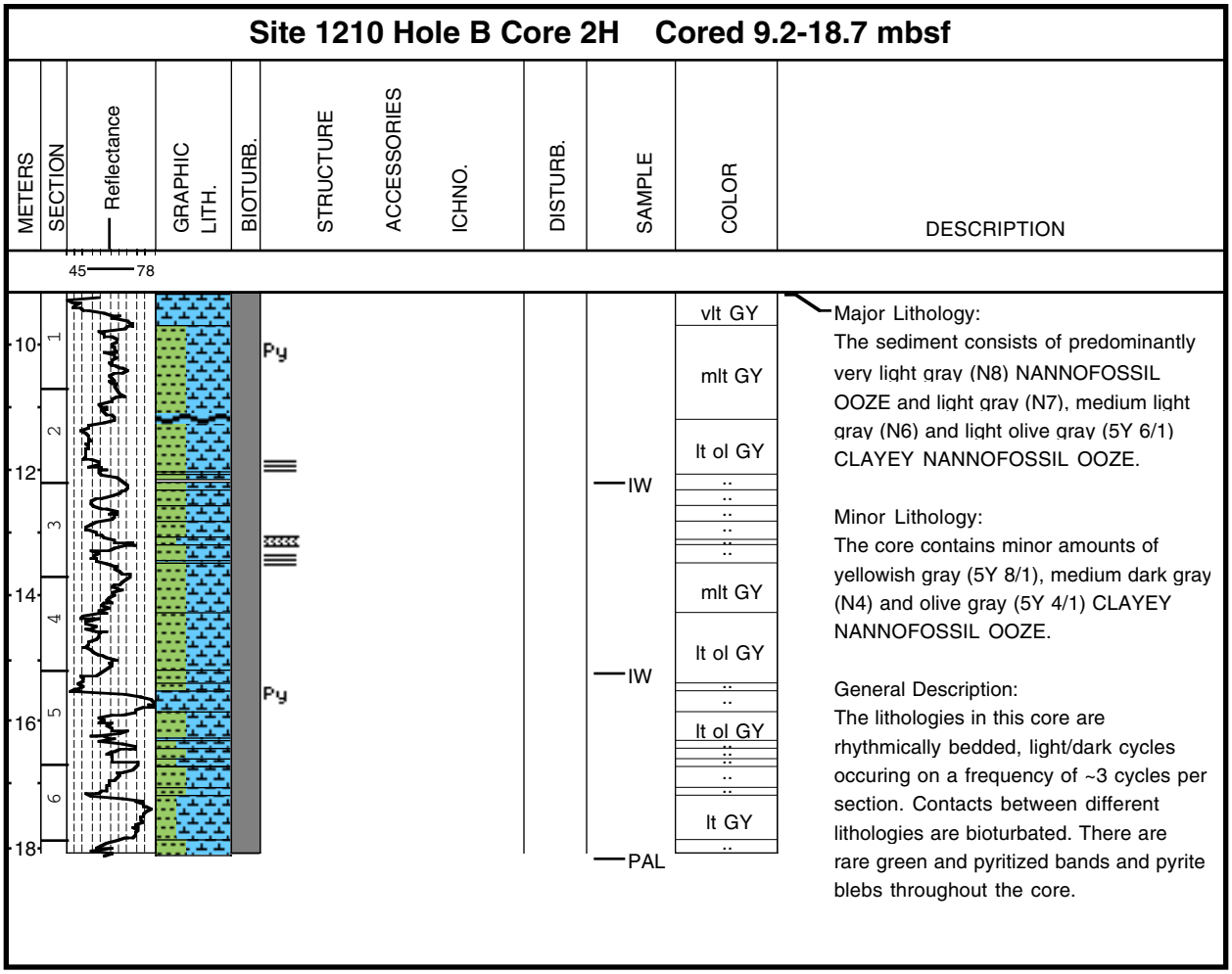
Core Photo


Site 1210 Hole A Core 27H Cored 235.9-242.4 mbsf
METERS
SECTION
REFLECTANCE
57
92
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
238
240
242
1
2
3
4
5
SS
CAR
PAL
WH
Major Lithology:
The dominant lithology is white (N9) NANNOFOSSIL OOZE WITH FORAMINIFERS.
General Description:
The OOZE is homogenous, very soft and slightly deformed from drilling. Small (0.5 - 1 cm) isolated patches of granular grayish green (10G 4/2) material are foraminifers with green chamber fillings.

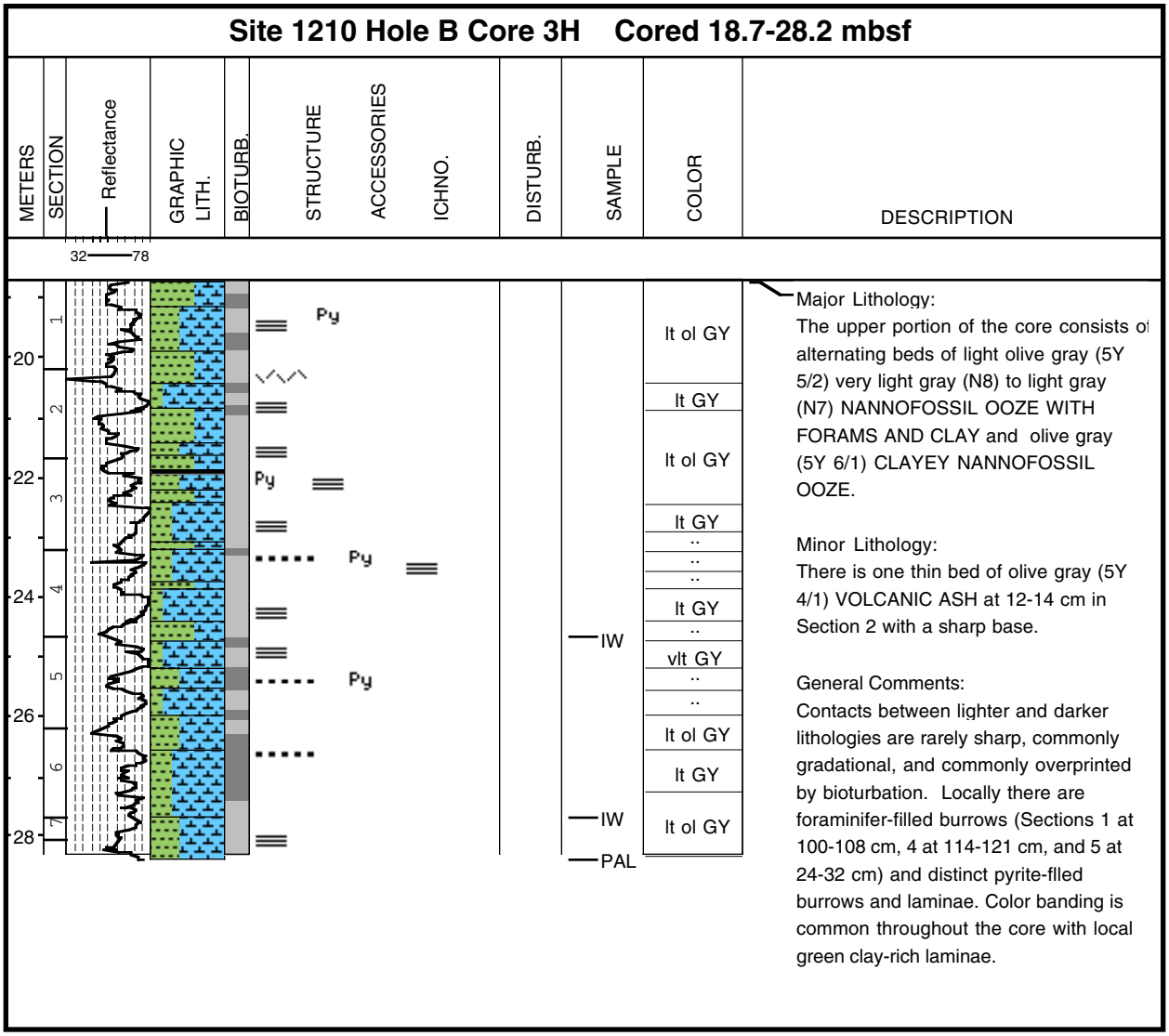
Core Photo


Site 1210 Hole B Core 1H Cored 0.0-9.2 mbsf
METERS
SECTION
Reflectance
44
77
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
Py
Py
P
Py
Py
IW
IW
PAL
ol GY
lt ol GY
lt ol GY
lt ol GY
lt ol GY
lt ol GY
vlt GY
gn GY
lt ol GY
Major Lithology:
This core primarily consists of dark yellowish brown (10YR 4/2), olive gray (5Y 4/1), light olive gray (5Y 6/1) to greenish gray (5GY 6/1) NANNOFOSSIL OOZE WITH CLAY, and very light gray (N8), light gray (N7) to medium light gray (N6) NANNOFOSSIL OOZE.
Minor Lithology:
There is light gray (N7) PUMICE at 35-37 cm in Section 5. It is 2 cm in maximum diameter.
General Description:
There is a disturbed interval from top to 60 cm in Section 1. Bioturbation is rare to moderate throughout this core, except within the disturbed interval. There are several pyrite blebs interval in Sections 1, 3, 5 and 6. Color transitions are gradational and bioturbated. Some greenish gray and light gray diagenetic bands are observed throughout this core.

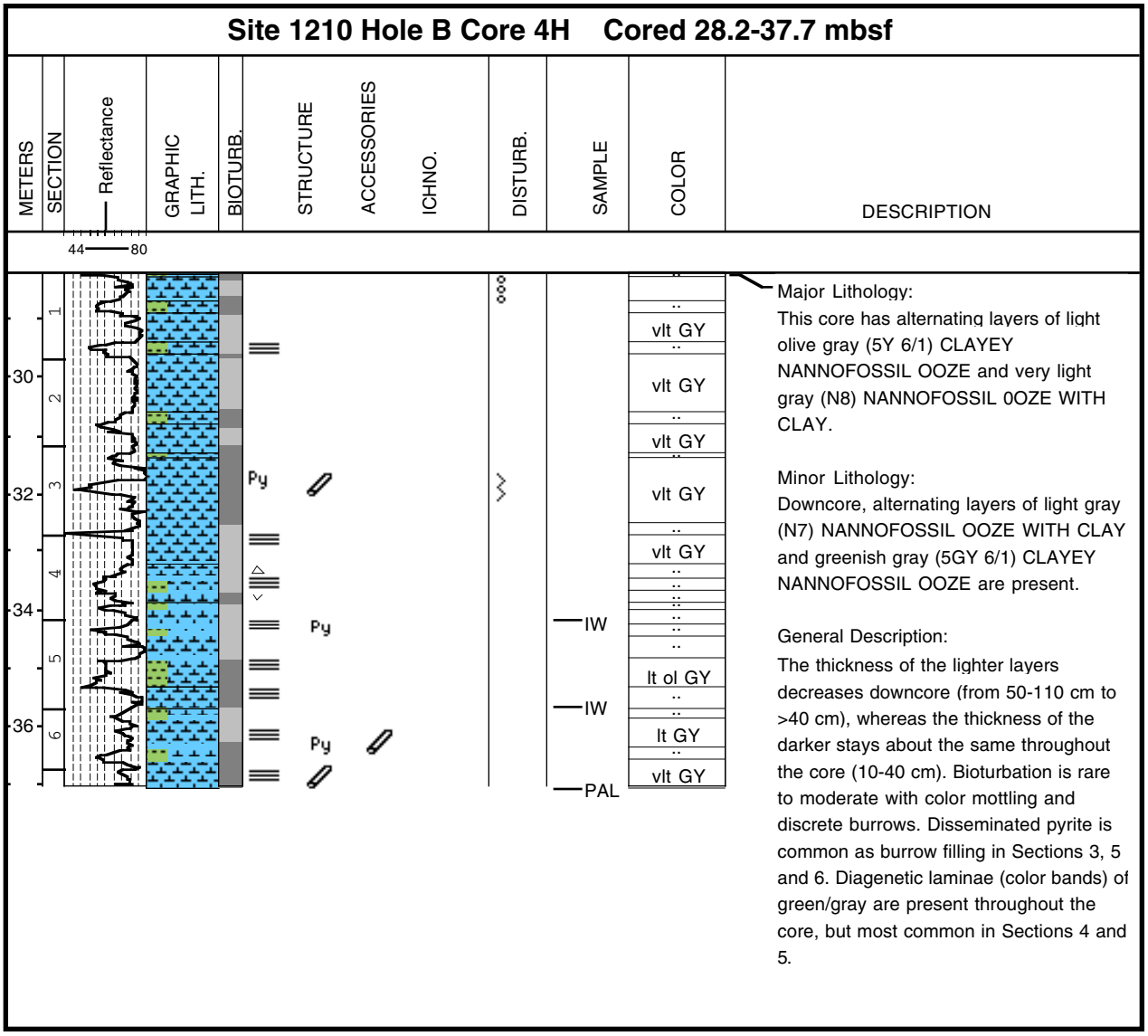
Core Photo


Site 1210 Hole B Core 2H Cored 9.2-18.7 mbsf
METERS
SECTION
Reflectance
45
78
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
10
12
14
16
18
1
2
3
4
5
6
Py
Py
IW
IW
PAL
vlt GY
mlt GY
lt ol GY
mlt GY
lt ol GY
lt ol GY
lt GY
Major Lithology:
The sediment consists of predominantly very light gray (N8) NANNOFOSSIL OOZE and light gray (N7), medium light gray (N6) and light olive gray (5Y 6/1) CLAYEY NANNOFOSSIL OOZE.
Minor Lithology:
The core contains minor amounts of yellowish gray (5Y 8/1), medium dark gray (N4) and olive gray (5Y 4/1) CLAYEY NANNOFOSSIL OOZE.
General Description:
The lithologies in this core are rhythmically bedded, light/dark cycles occuring on a frequency of ~3 cycles per section. Contacts between different lithologies are bioturbated. There are rare green and pyritized bands and pyrite blebs throughout the core.

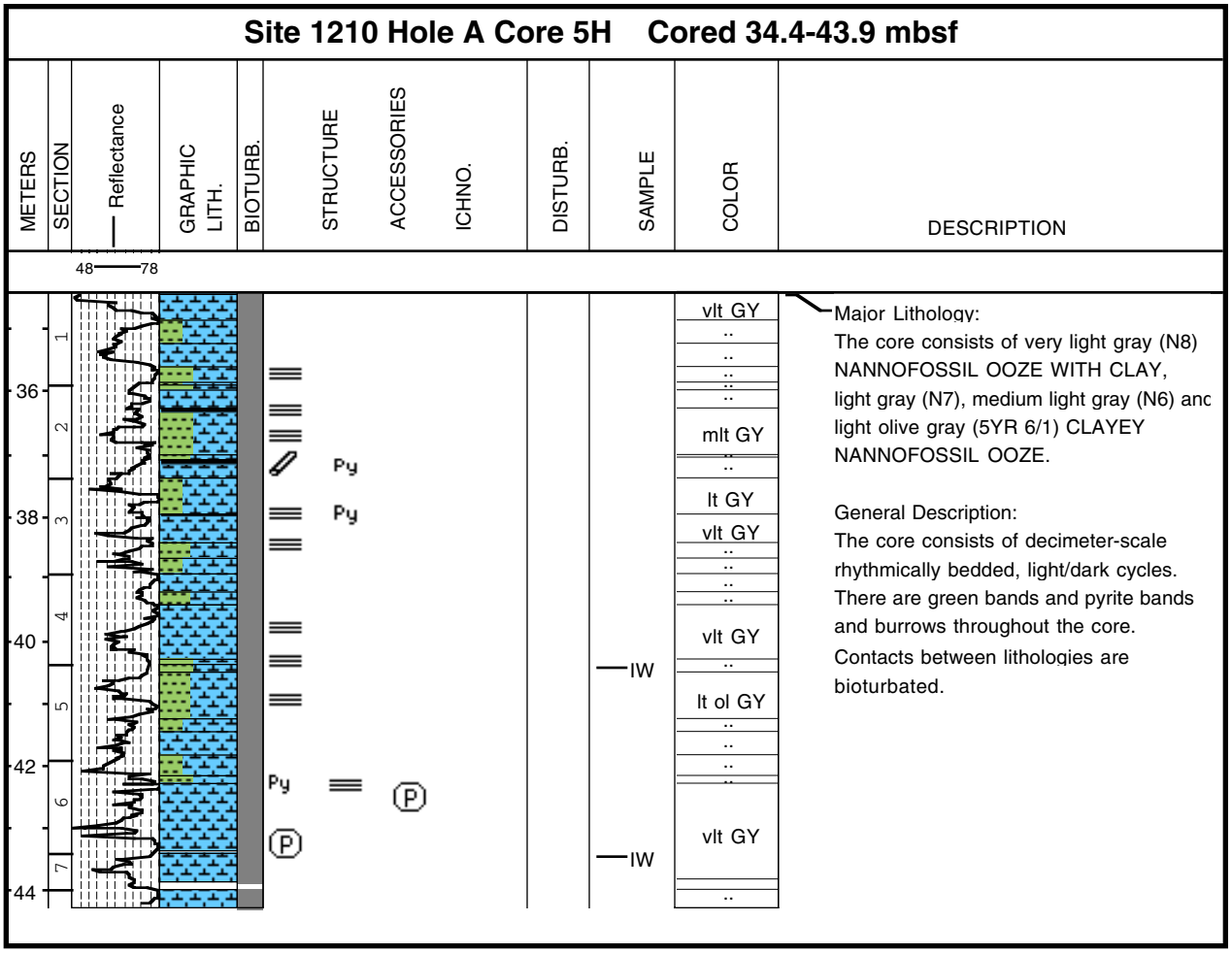
Core Photo


Site 1210 Hole B Core 3H Cored 18.7-28.2 mbsf
METERS
SECTION
Reflectance
32
78
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
20
22
24
26
28
1
2
3
4
5
6
7
Py
Py
Py
Py
IW
IW
PAL
lt ol GY
lt GY
lt ol GY
lt GY
lt GY
vlt GY
lt ol GY
lt GY
lt ol GY
Major Lithology:
The upper portion of the core consists of alternating beds of light olive gray (5Y 5/2) very light gray (N8) to light gray (N7) NANNOFOSSIL OOZE WITH FORAMS AND CLAY and olive gray (5Y 6/1) CLAYEY NANNOFOSSIL OOZE.
Minor Lithology:
There is one thin bed of olive gray (5Y 4/1) VOLCANIC ASH at 12-14 cm in Section 2 with a sharp base.
General Comments:
Contacts between lighter and darker lithologies are rarely sharp, commonly gradational, and commonly overprinted by bioturbation. Locally there are foraminifer-filled burrows (Sections 1 at 100-108 cm, 4 at 114-121 cm, and 5 at 24-32 cm) and distinct pyrite-flled burrows and laminae. Color banding is common throughout the core with local green clay-rich laminae.

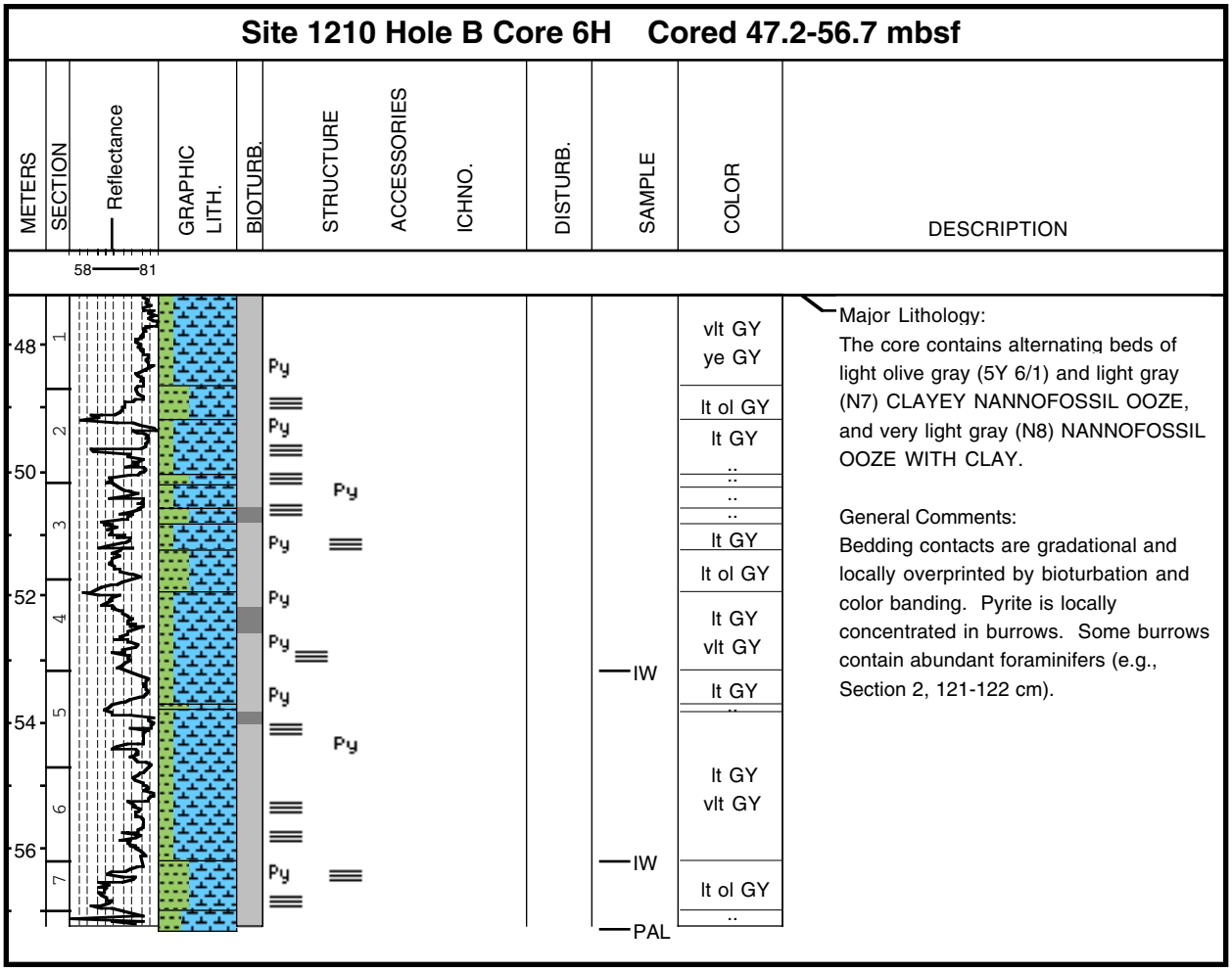
Core Photo


Site 1210 Hole B Core 4H Cored 28.2-37.7 mbsf
METERS
SECTION
Reflectance
44
80
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
30
32
34
36
1
2
3
4
5
6
Py
Py
Py
IW
IW
PAL
vlt GY
vlt GY
vlt GY
vlt GY
vlt GY
lt ol GY
lt GY
vlt GY
Major Lithology:
This core has alternating layers of light olive gray (5Y 6/1) CLAYEY NANNOFOSSIL OOZE and very light gray (N8) NANNOFOSSIL 0OZE WITH CLAY.
Minor Lithology:
Downcore, alternating layers of light gray (N7) NANNOFOSSIL OOZE WITH CLAY and greenish gray (5GY 6/1) CLAYEY NANNOFOSSIL OOZE are present.
General Description:
The thickness of the lighter layers decreases downcore (from 50-110 cm to >40 cm), whereas the thickness of the darker stays about the same throughout the core (10-40 cm). Bioturbation is rare to moderate with color mottling and discrete burrows. Disseminated pyrite is common as burrow filling in Sections 3, 5 and 6. Diagenetic laminae (color bands) of green/gray are present throughout the core, but most common in Sections 4 and 5.

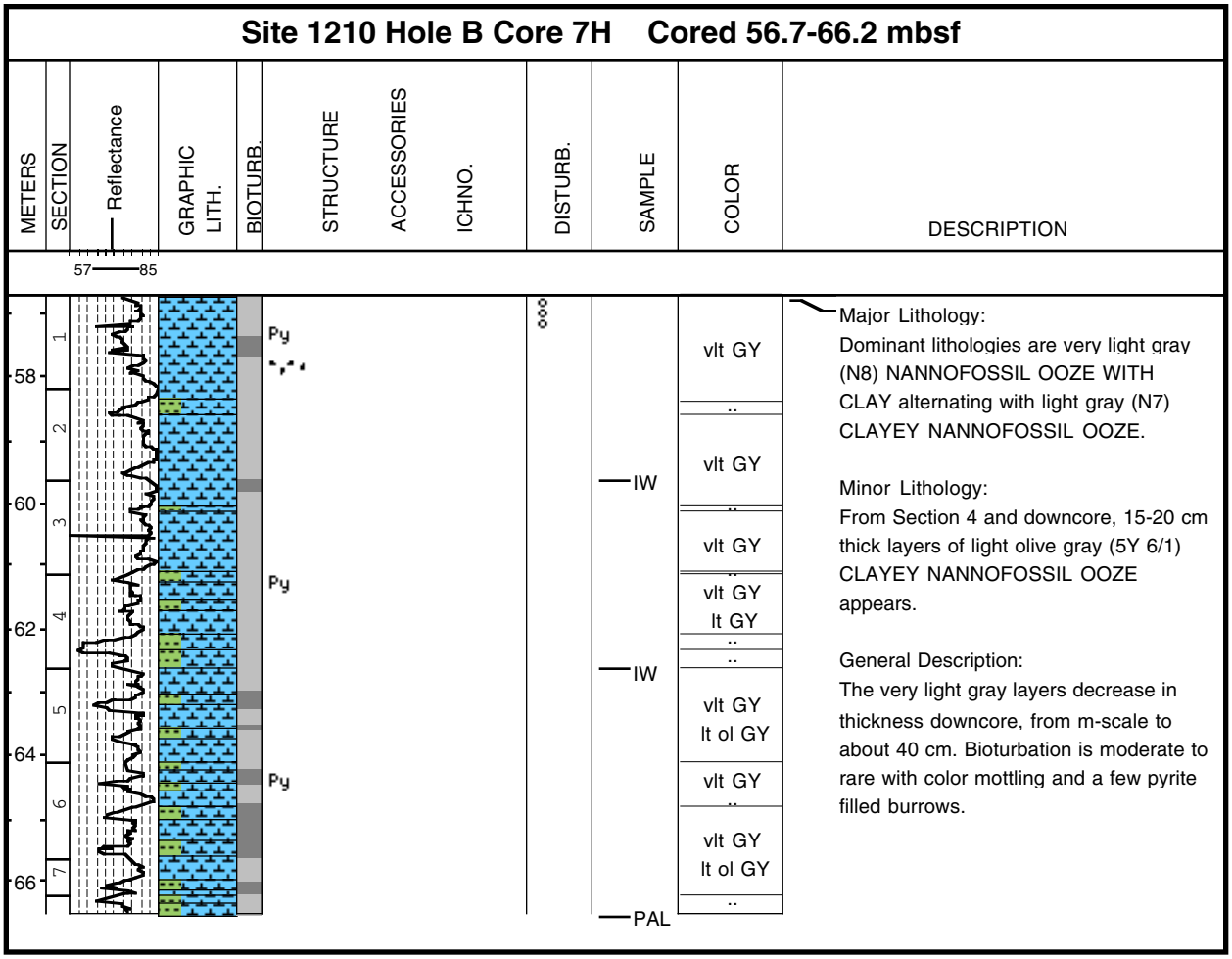
Core Photo


Site 1210 Hole A Core 5H Cored 34.4-43.9 mbsf
METERS
SECTION
Reflectance
48
78
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
36
38
40
42
44
Py
Py
Py
P
P
IW
IW
vlt GY
mlt GY
lt GY
vlt GY
vlt GY
lt ol GY
vlt GY
Major Lithology:
The core consists of very light gray (N8) NANNOFOSSIL OOZE WITH CLAY, light gray (N7), medium light gray (N6) and light olive gray (5YR 6/1) CLAYEY NANNOFOSSIL OOZE.
General Description:
The core consists of decimeter-scale rhythmically bedded, light/dark cycles. There are green bands and pyrite bands and burrows throughout the core. Contacts between lithologies are bioturbated.

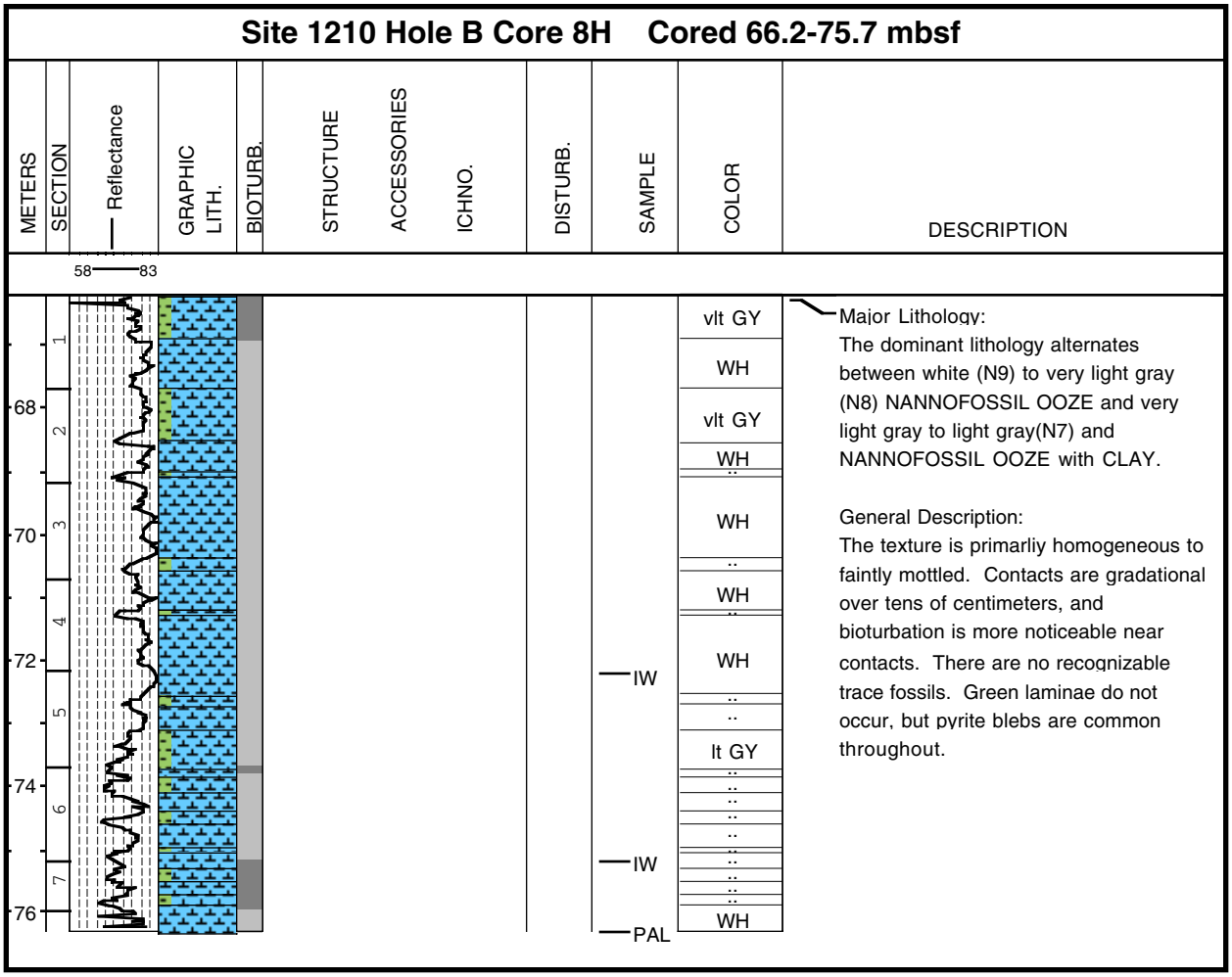
Core Photo


Site 1210 Hole B Core 6H Cored 47.2-56.7 mbsf
METERS
SECTION
Reflectance
58
81
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
48
50
52
54
56
1
2
3
4
5
6
7
Py
IW
IW
PAL
vlt GY
ye GY
lt ol GY
lt GY
lt GY
lt ol GY
lt GY
vlt GY
lt GY
lt GY
vlt GY
lt ol GY
Major Lithology:
The core contains alternating beds of light olive gray (5Y 6/1) and light gray (N7) CLAYEY NANNOFOSSIL OOZE, and very light gray (N8) NANNOFOSSIL OOZE WITH CLAY.
General Comments:
Bedding contacts are gradational and locally overprinted by bioturbation and color banding. Pyrite is locally concentrated in burrows. Some burrows contain abundant foraminifers (e.g., Section 2, 121-122 cm).

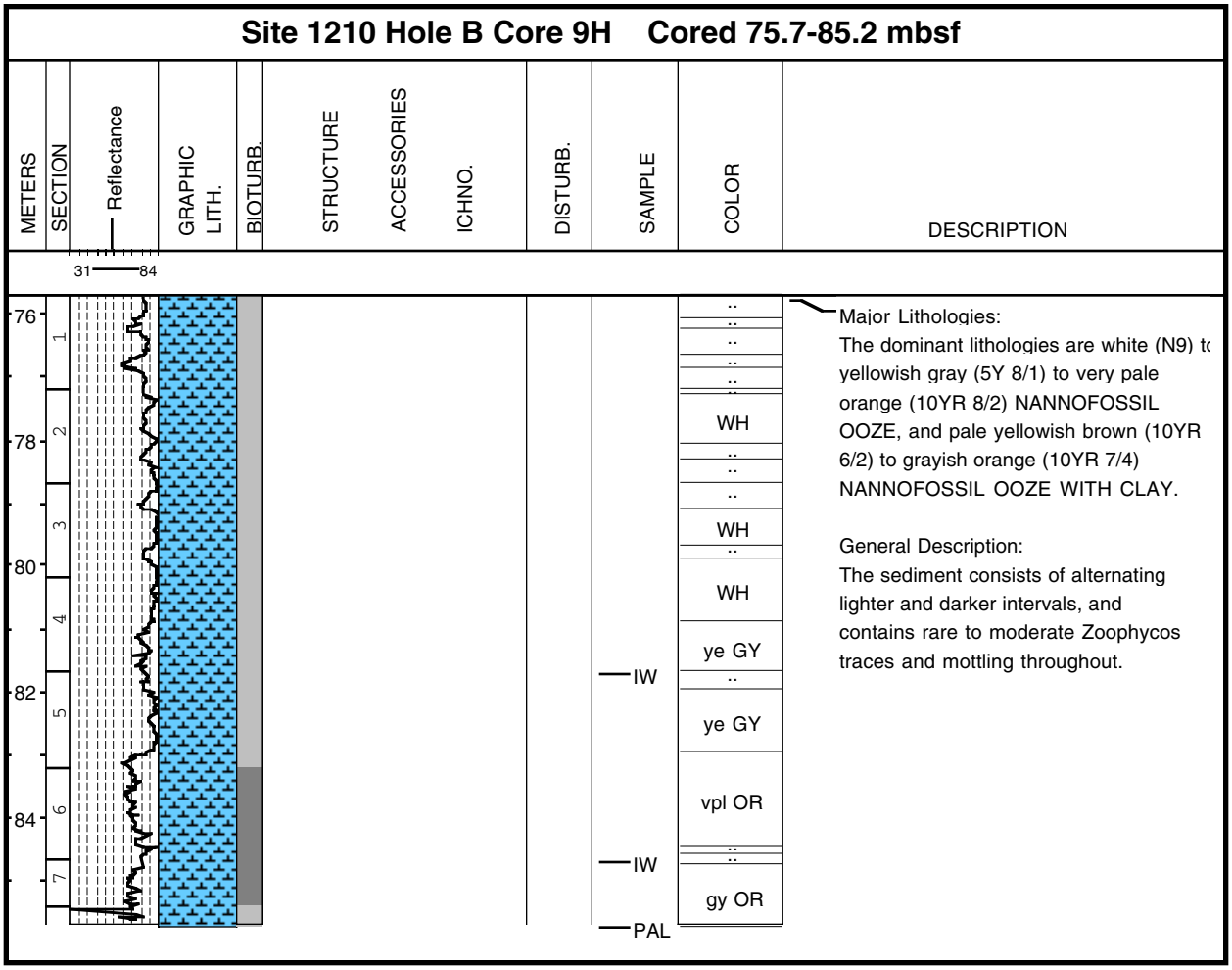
Core Photo


Site 1210 Hole B Core 7H Cored 56.7-66.2 mbsf
METERS
SECTION
Reflectance
57
85
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
58
60
62
64
66
1
2
3
4
5
6
7
Py
Py
Py
IW
IW
PAL
vlt GY
vlt GY
vlt GY
vlt GY
lt GY
vlt GY
lt ol GY
vlt GY
vlt GY
lt ol GY
Major Lithology:
Dominant lithologies are very light gray (N8) NANNOFOSSIL OOZE WITH CLAY alternating with light gray (N7) CLAYEY NANNOFOSSIL OOZE.
Minor Lithology:
From Section 4 and downcore, 15-20 cm thick layers of light olive gray (5Y 6/1) CLAYEY NANNOFOSSIL OOZE appears.
General Description:
The very light gray layers decrease in thickness downcore, from m-scale to about 40 cm. Bioturbation is moderate to rare with color mottling and a few pyrite filled burrows.

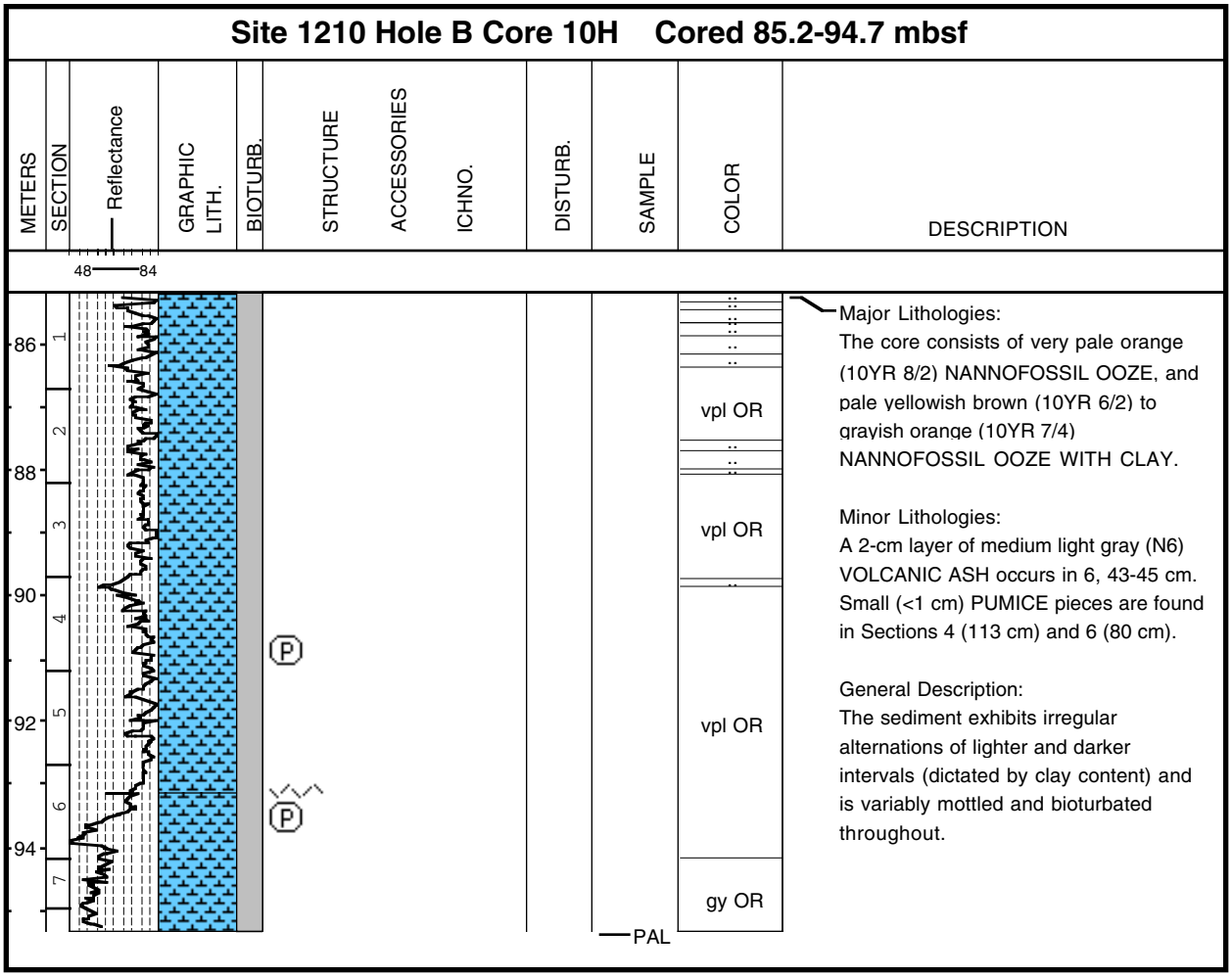
Core Photo


Site 1210 Hole B Core 8H Cored 66.2-75.7 mbsf
METERS
SECTION
Reflectance
58
83
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
68
70
72
74
76
1
2
3
4
5
6
7
IW
IW
PAL
vlt GY
WH
vlt GY
WH
WH
WH
WH
lt GY
WH
Major Lithology:
The dominant lithology alternates between white (N9) to very light gray (N8) NANNOFOSSIL OOZE and very light gray to light gray(N7) and NANNOFOSSIL OOZE with CLAY.
General Description:
The texture is primarliy homogeneous to faintly mottled. Contacts are gradational over tens of centimeters, and bioturbation is more noticeable near contacts. There are no recognizable trace fossils. Green laminae do not occur, but pyrite blebs are common throughout.

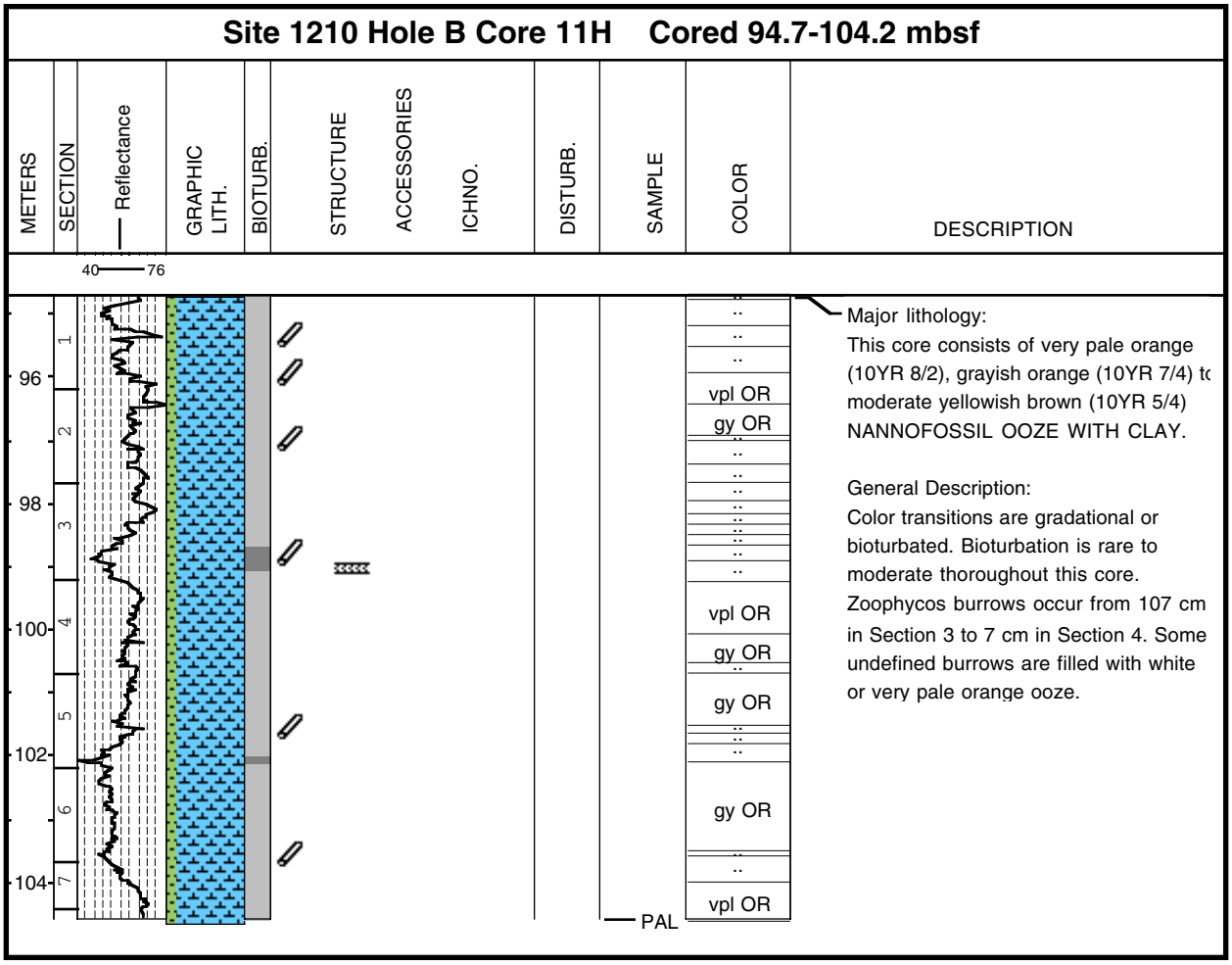
Core Photo


Site 1210 Hole B Core 9H Cored 75.7-85.2 mbsf
METERS
SECTION
Reflectance
31
84
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
76
78
80
82
84
1
2
3
4
5
6
7
IW
IW
PAL
WH
WH
WH
ye GY
ye GY
vpl OR
gy OR
Major Lithologies:
The dominant lithologies are white (N9) to yellowish gray (5Y 8/1) to very pale orange (10YR 8/2) NANNOFOSSIL OOZE, and pale yellowish brown (10YR 6/2) to grayish orange (10YR 7/4) NANNOFOSSIL OOZE WITH CLAY.
General Description:
The sediment consists of alternating lighter and darker intervals, and contains rare to moderate Zoophycos traces and mottling throughout.

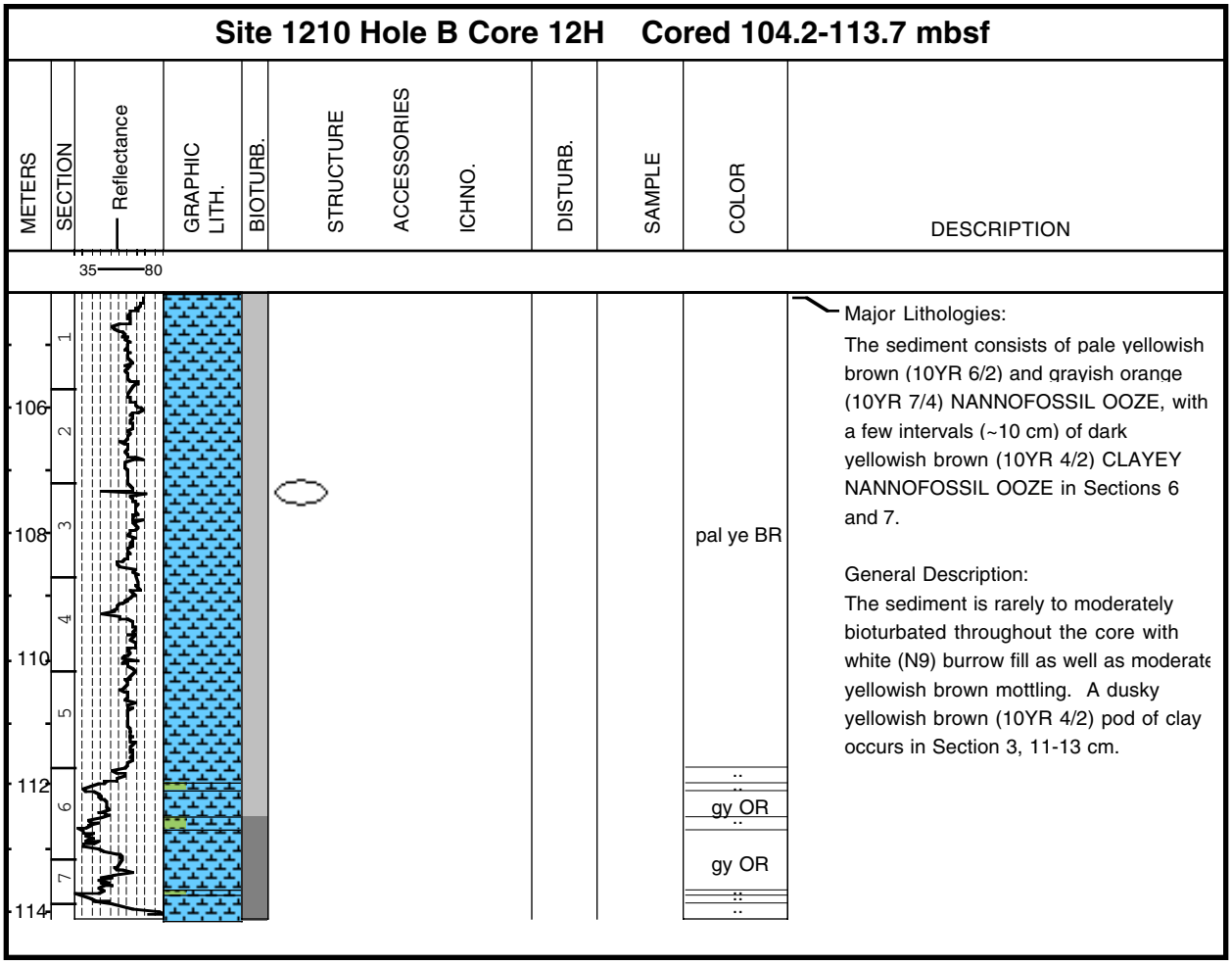
Core Photo


Site 1210 Hole B Core 10H Cored 85.2-94.7 mbsf
METERS
SECTION
Reflectance
48
84
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
86
88
90
92
94
1
2
3
4
5
6
7
P
P
PAL
vpl OR
vpl OR
vpl OR
gy OR
Major Lithologies:
The core consists of very pale orange (10YR 8/2) NANNOFOSSIL OOZE, and pale yellowish brown (10YR 6/2) to grayish orange (10YR 7/4) NANNOFOSSIL OOZE WITH CLAY.
Minor Lithologies:
A 2-cm layer of medium light gray (N6) VOLCANIC ASH occurs in 6, 43-45 cm. Small (<1 cm) PUMICE pieces are found in Sections 4 (113 cm) and 6 (80 cm).
General Description:
The sediment exhibits irregular alternations of lighter and darker intervals (dictated by clay content) and is variably mottled and bioturbated throughout.

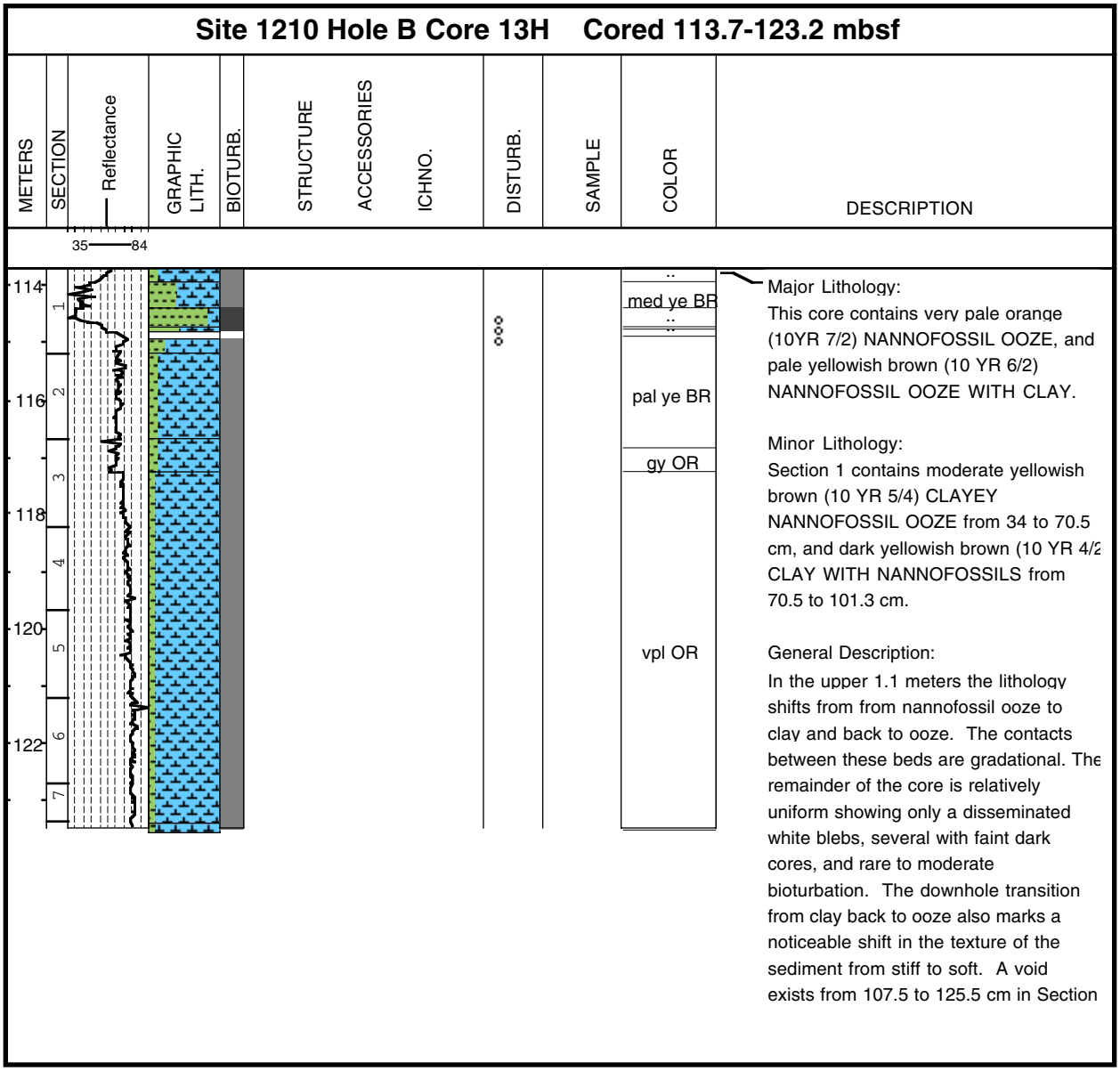
Core Photo


Site 1210 Hole B Core 11H Cored 94.7-104.2 mbsf
METERS
SECTION
Reflectance
40
76
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
96
98
100
102
104
1
2
3
4
5
6
7
PAL
vpl OR
gy OR
vpl OR
gy OR
gy OR
gy OR
vpl OR
Major lithology:
This core consists of very pale orange (10YR 8/2), grayish orange (10YR 7/4) to moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE WITH CLAY.
General Description:
Color transitions are gradational or bioturbated. Bioturbation is rare to moderate thoroughout this core. Zoophycos burrows occur from 107 cm in Section 3 to 7 cm in Section 4. Some undefined burrows are filled with white or very pale orange ooze.

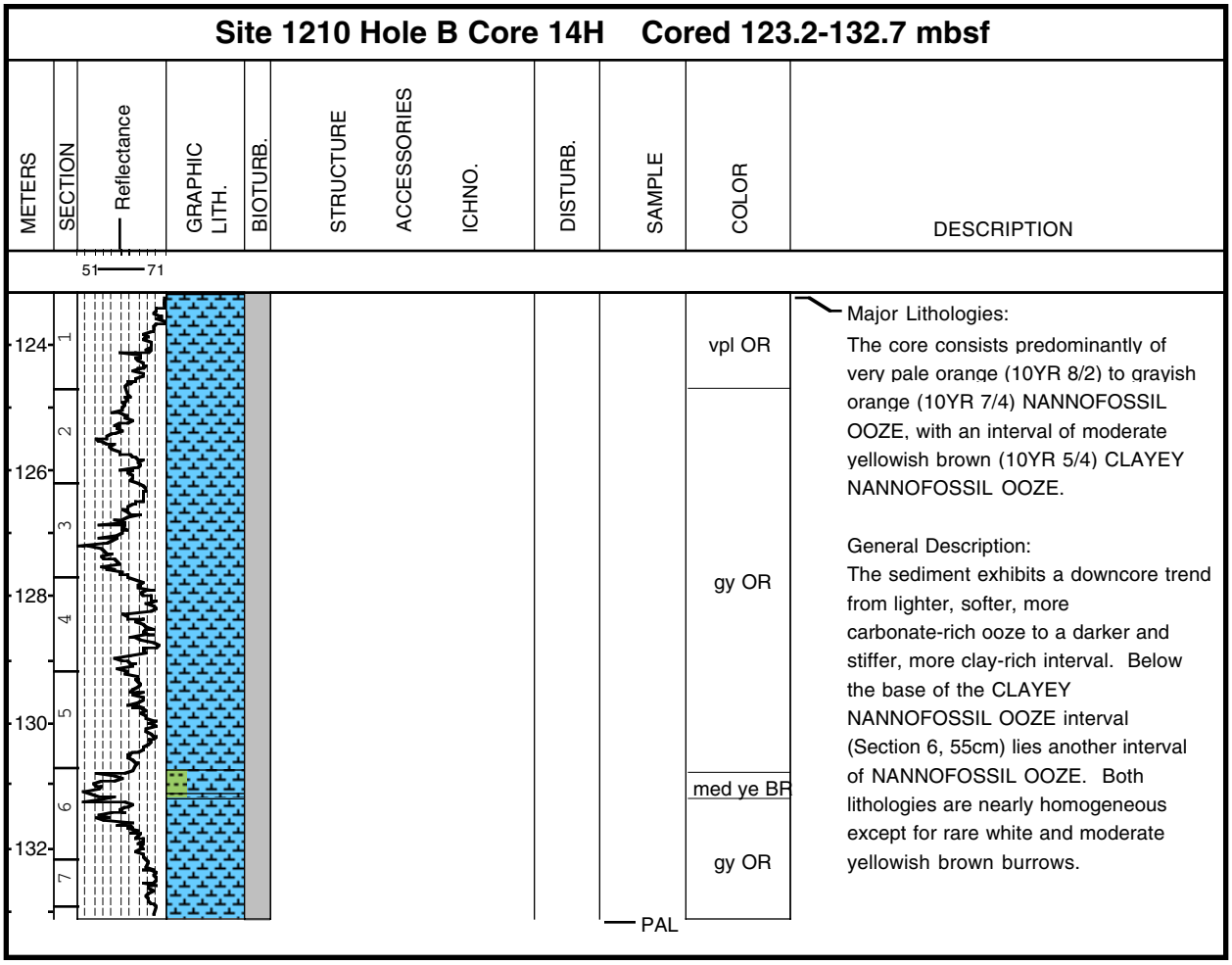
Core Photo


Site 1210 Hole B Core 12H Cored 104.2-113.7 mbsf
METERS
SECTION
Reflectance
35
80
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
106
108
110
112
114
1
2
3
4
5
6
7
pal ye BR
gy OR
gy OR
Major Lithologies:
The sediment consists of pale yellowish brown (10YR 6/2) and grayish orange (10YR 7/4) NANNOFOSSIL OOZE, with a few intervals (~10 cm) of dark yellowish brown (10YR 4/2) CLAYEY NANNOFOSSIL OOZE in Sections 6 and 7.
General Description:
The sediment is rarely to moderately bioturbated throughout the core with white (N9) burrow fill as well as moderate yellowish brown mottling. A dusky yellowish brown (10YR 4/2) pod of clay occurs in Section 3, 11-13 cm.

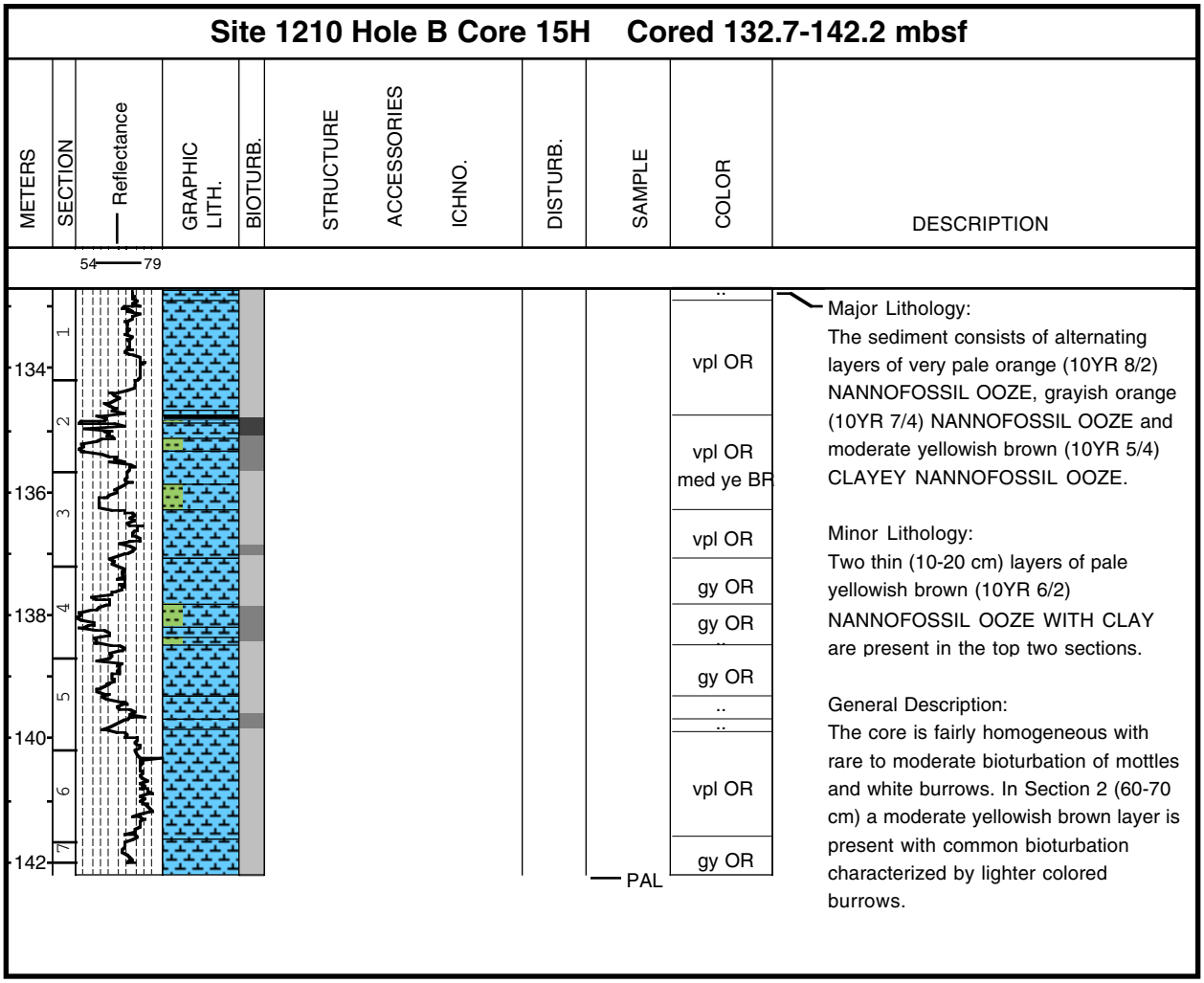
Core Photo


Site 1210 Hole B Core 13H Cored 113.7-123.2 mbsf
METERS
SECTION
Reflectance
35
84
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
114
116
118
120
122
1
2
3
4
5
6
7
med ye BR
pal ye BR
gy OR
vpl OR
Major Lithology:
This core contains very pale orange (10YR 7/2) NANNOFOSSIL OOZE, and pale yellowish brown (10 YR 6/2) NANNOFOSSIL OOZE WITH CLAY.
Minor Lithology:
Section 1 contains moderate yellowish brown (10 YR 5/4) CLAYEY NANNOFOSSIL OOZE from 34 to 70.5 cm, and dark yellowish brown (10 YR 4/2 CLAY WITH NANNOFOSSILS from 70.5 to 101.3 cm.
General Description:
In the upper 1.1 meters the lithology shifts from from nannofossil ooze to clay and back to ooze. The contacts between these beds are gradational. The remainder of the core is relatively uniform showing only a disseminated white blebs, several with faint dark cores, and rare to moderate bioturbation. The downhole transition from clay back to ooze also marks a noticeable shift in the texture of the sediment from stiff to soft. A void exists from 107.5 to 125.5 cm in Section

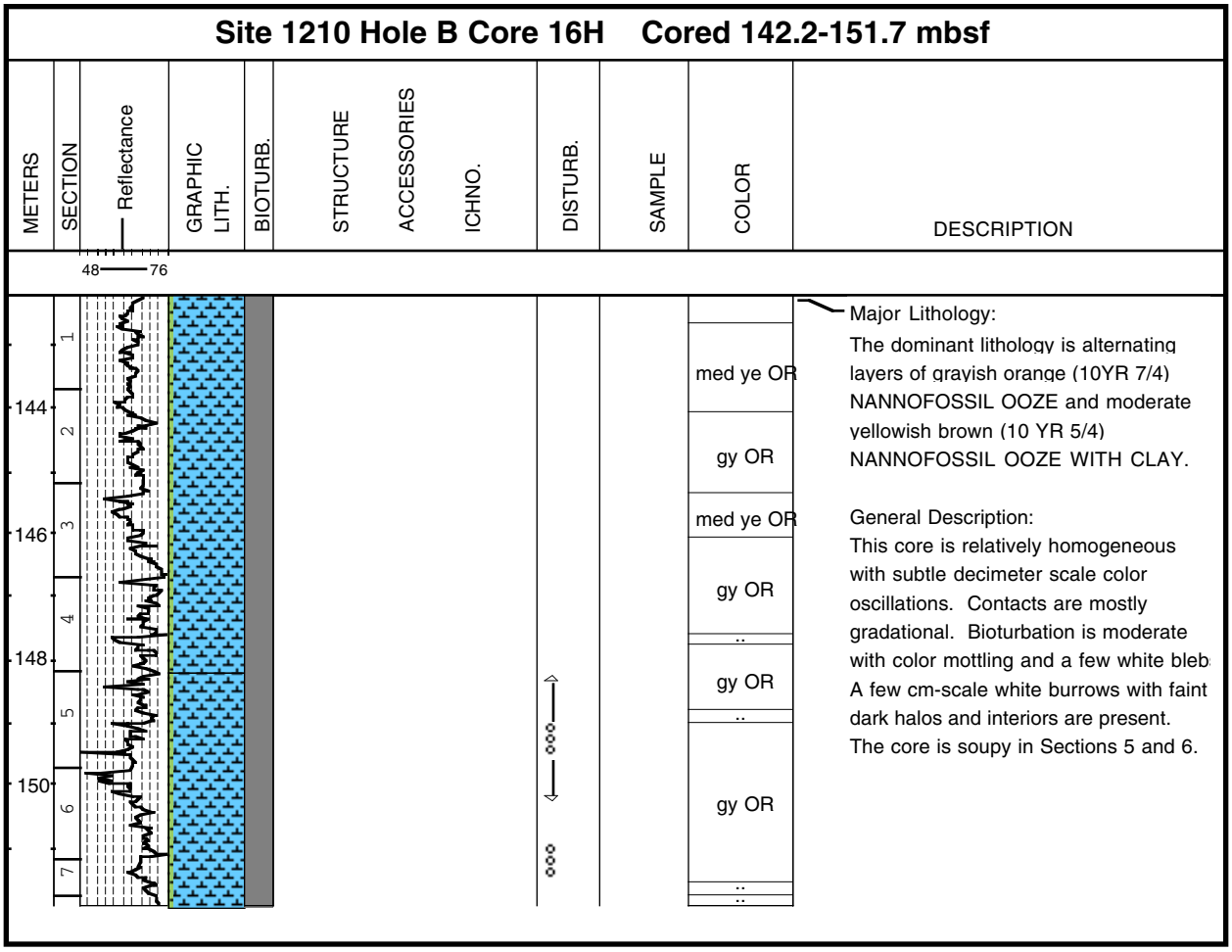
Core Photo


Site 1210 Hole B Core 14H Cored 123.2-132.7 mbsf
METERS
SECTION
Reflectance
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
51
71
124
126
128
130
132
1
2
3
4
5
6
7
PAL
vpl OR
gy OR
med ye BR
gy OR
Major Lithologies:
The core consists predominantly of very pale orange (10YR 8/2) to grayish orange (10YR 7/4) NANNOFOSSIL OOZE, with an interval of moderate yellowish brown (10YR 5/4) CLAYEY NANNOFOSSIL OOZE.
General Description:
The sediment exhibits a downcore trend from lighter, softer, more carbonate-rich ooze to a darker and stiffer, more clay-rich interval. Below the base of the CLAYEY NANNOFOSSIL OOZE interval (Section 6, 55cm) lies another interval of NANNOFOSSIL OOZE. Both lithologies are nearly homogeneous except for rare white and moderate yellowish brown burrows.

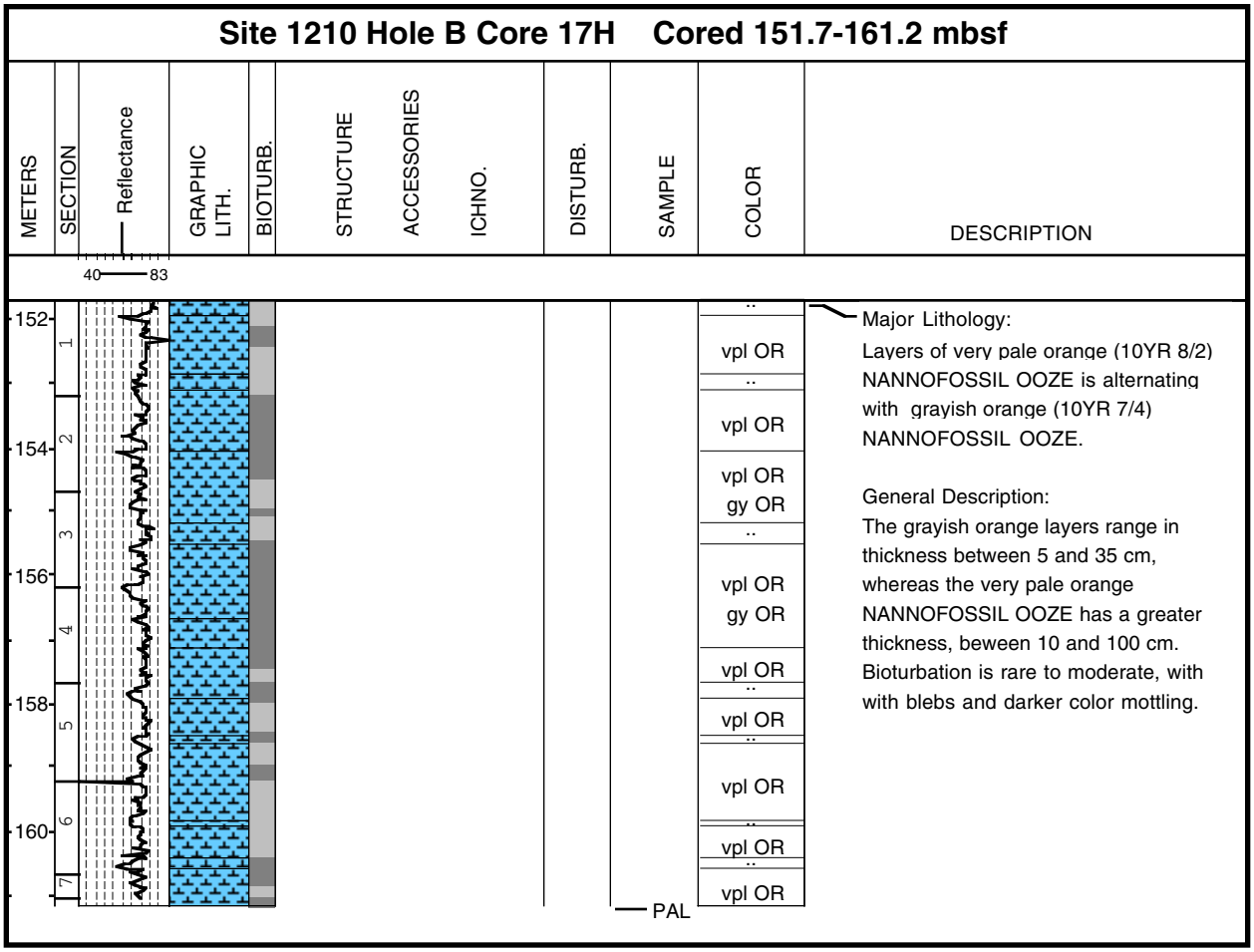
Core Photo


Site 1210 Hole B Core 15H Cored 132.7-142.2 mbsf
METERS
SECTION
Reflectance
54
79
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
134
136
138
140
142
1
2
3
4
5
6
7
PAL
vpl OR
vpl OR
med ye BR
vpl OR
gy OR
gy OR
gy OR
vpl OR
gy OR
Major Lithology:
The sediment consists of alternating layers of very pale orange (10YR 8/2) NANNOFOSSIL OOZE, grayish orange (10YR 7/4) NANNOFOSSIL OOZE and moderate yellowish brown (10YR 5/4) CLAYEY NANNOFOSSIL OOZE.
Minor Lithology:
Two thin (10-20 cm) layers of pale yellowish brown (10YR 6/2) NANNOFOSSIL OOZE WITH CLAY are present in the top two sections.
General Description:
The core is fairly homogeneous with rare to moderate bioturbation of mottles and white burrows. In Section 2 (60-70 cm) a moderate yellowish brown layer is present with common bioturbation characterized by lighter colored burrows.

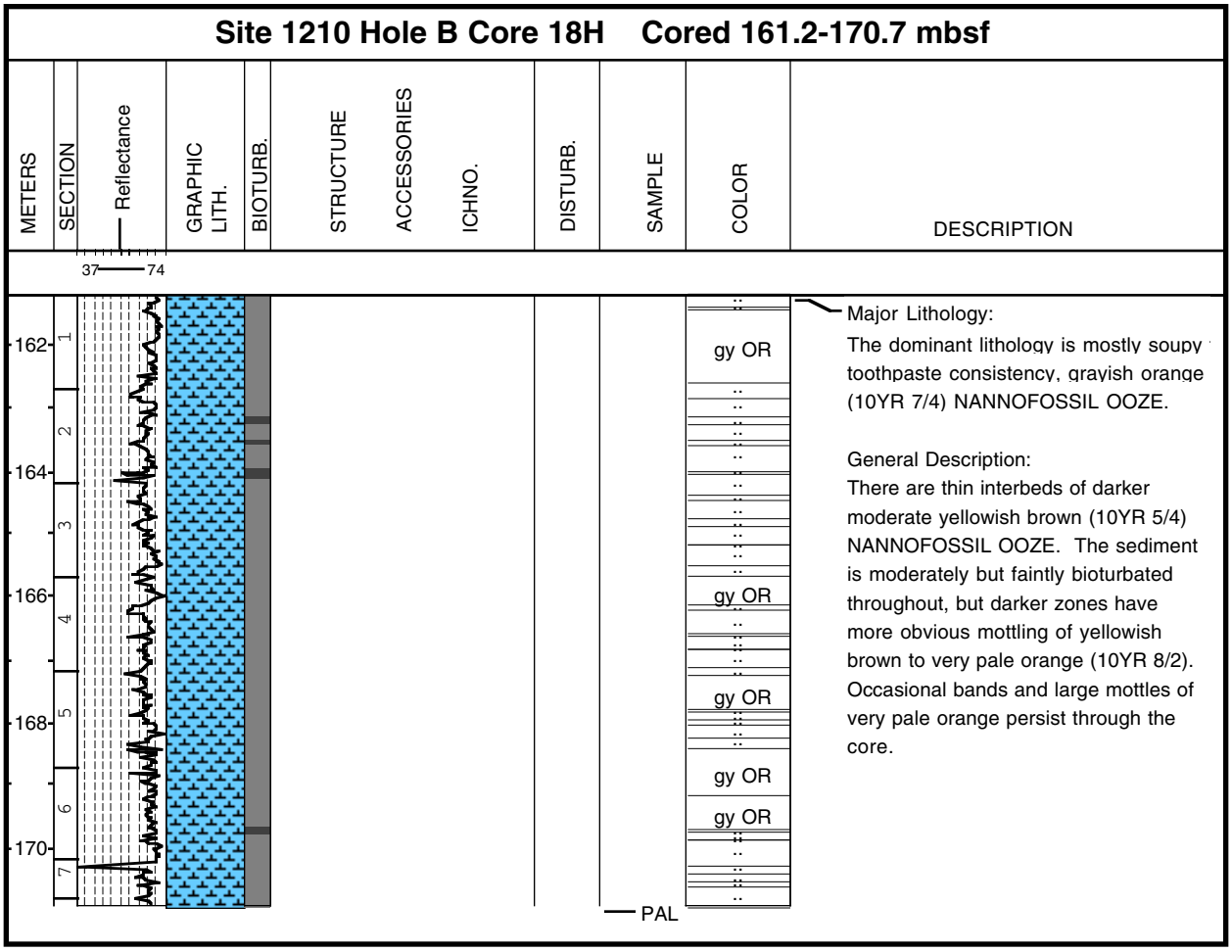
Core Photo


Site 1210 Hole B Core 16H Cored 142.2-151.7 mbsf
METERS
SECTION
Reflectance
48
76
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
144
146
148
150
1
2
3
4
5
6
7
med ye OR
gy OR
med ye OR
gy OR
gy OR
gy OR
Major Lithology:
The dominant lithology is alternating layers of grayish orange (10YR 7/4) NANNOFOSSIL OOZE and moderate yellowish brown (10 YR 5/4) NANNOFOSSIL OOZE WITH CLAY.
General Description:
This core is relatively homogeneous with subtle decimeter scale color oscillations. Contacts are mostly gradational. Bioturbation is moderate with color mottling and a few white bleb
A few cm-scale white burrows with faint dark halos and interiors are present.
The core is soupy in Sections 5 and 6.

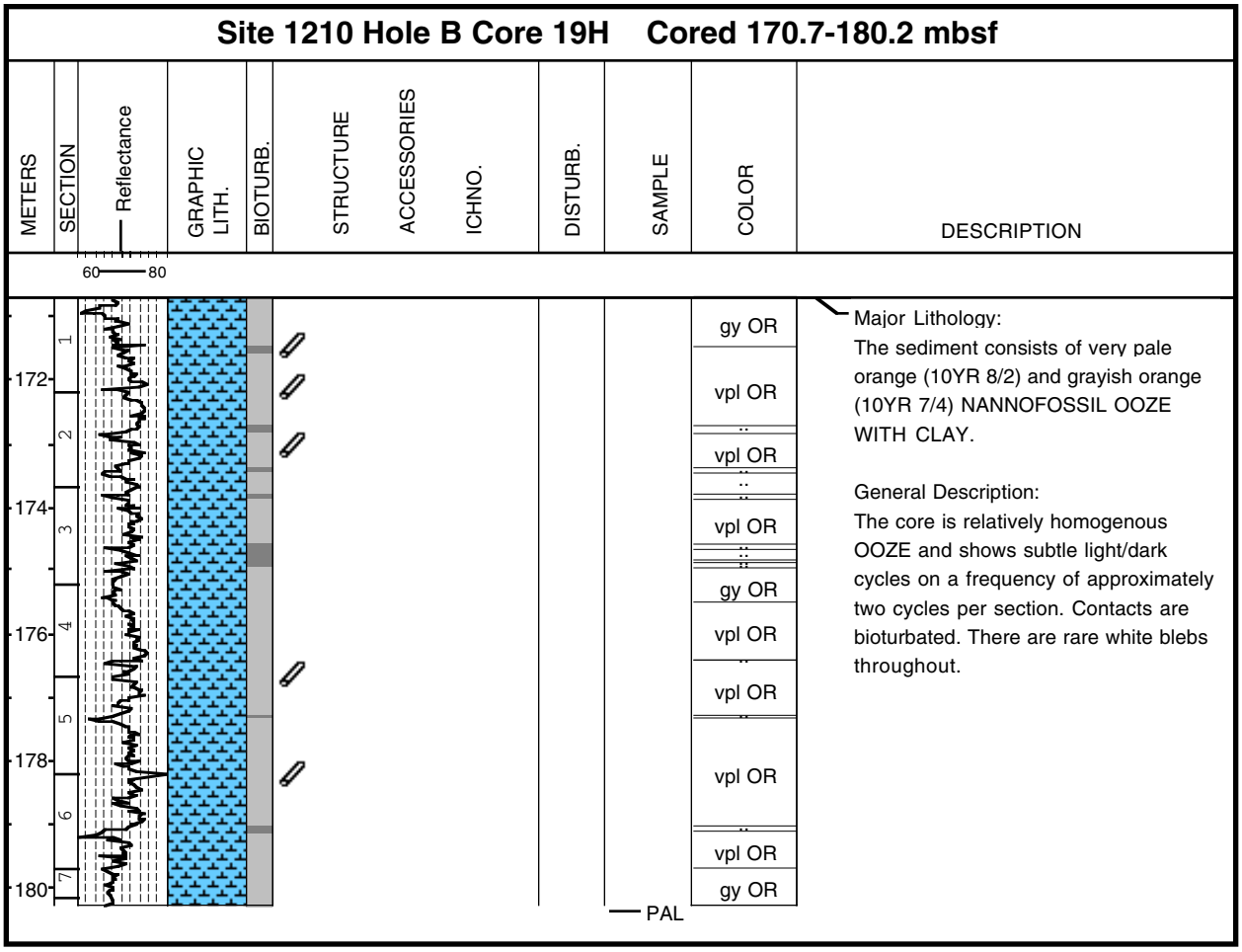
Core Photo


Site 1210 Hole B Core 17H Cored 151.7-161.2 mbsf
METERS
SECTION
Reflectance
40
83
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
152
154
156
158
160
1
2
3
4
5
6
7
vpl OR
vpl OR
vpl OR
gy OR
vpl OR
gy OR
vpl OR
vpl OR
vpl OR
vpl OR
PAL
Major Lithology:
Layers of very pale orange (10YR 8/2) NANNOFOSSIL OOZE is alternating with grayish orange (10YR 7/4) NANNOFOSSIL OOZE.
General Description:
The grayish orange layers range in thickness between 5 and 35 cm, whereas the very pale orange NANNOFOSSIL OOZE has a greater thickness, beween 10 and 100 cm. Bioturbation is rare to moderate, with with blebs and darker color mottling.

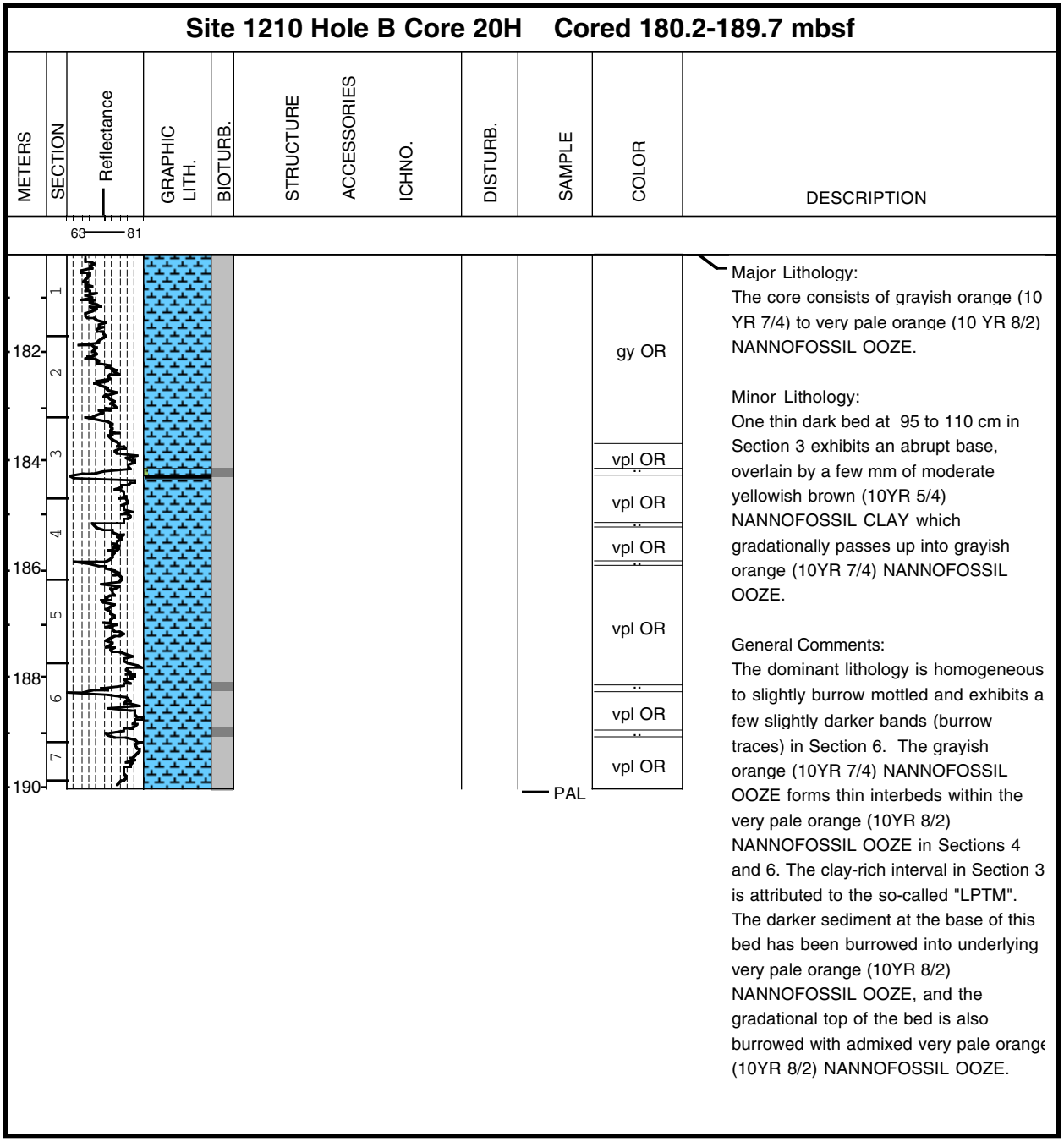
Core Photo


Site 1210 Hole B Core 18H Cored 161.2-170.7 mbsf
METERS
SECTION
Reflectance
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
37
74
162
164
166
168
170
1
2
3
4
5
6
7
gy OR
gy OR
gy OR
gy OR
gy OR
PAL
Major Lithology:
The dominant lithology is mostly soupy toothpaste consistency, grayish orange (10YR 7/4) NANNOFOSSIL OOZE.
General Description:
There are thin interbeds of darker moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE. The sediment is moderately but faintly bioturbated throughout, but darker zones have more obvious mottling of yellowish brown to very pale orange (10YR 8/2). Occasional bands and large mottles of very pale orange persist through the core.

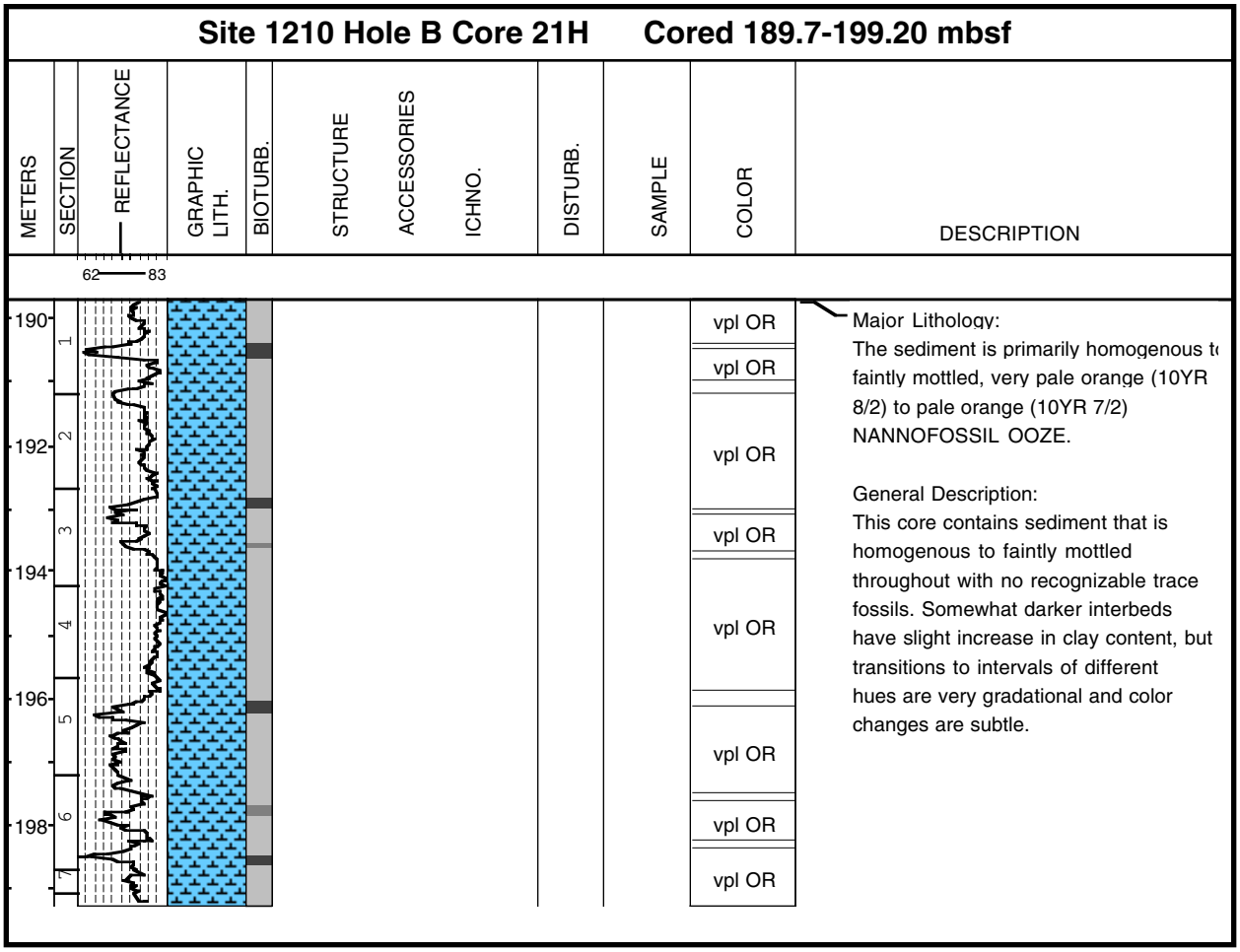
Core Photo


Site 1210 Hole B Core 19H Cored 170.7-180.2 mbsf
METERS
SECTION
Reflectance
60
80
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
172
174
176
178
180
1
2
3
4
5
6
7
PAL
gy OR
vpl OR
vpl OR
vpl OR
gy OR
vpl OR
vpl OR
vpl OR
vpl OR
gy OR
Major Lithology:
The sediment consists of very pale orange (10YR 8/2) and grayish orange (10YR 7/4) NANNOFOSSIL OOZE WITH CLAY.
General Description:
The core is relatively homogenous OOZE and shows subtle light/dark cycles on a frequency of approximately two cycles per section. Contacts are bioturbated. There are rare white blebs throughout.

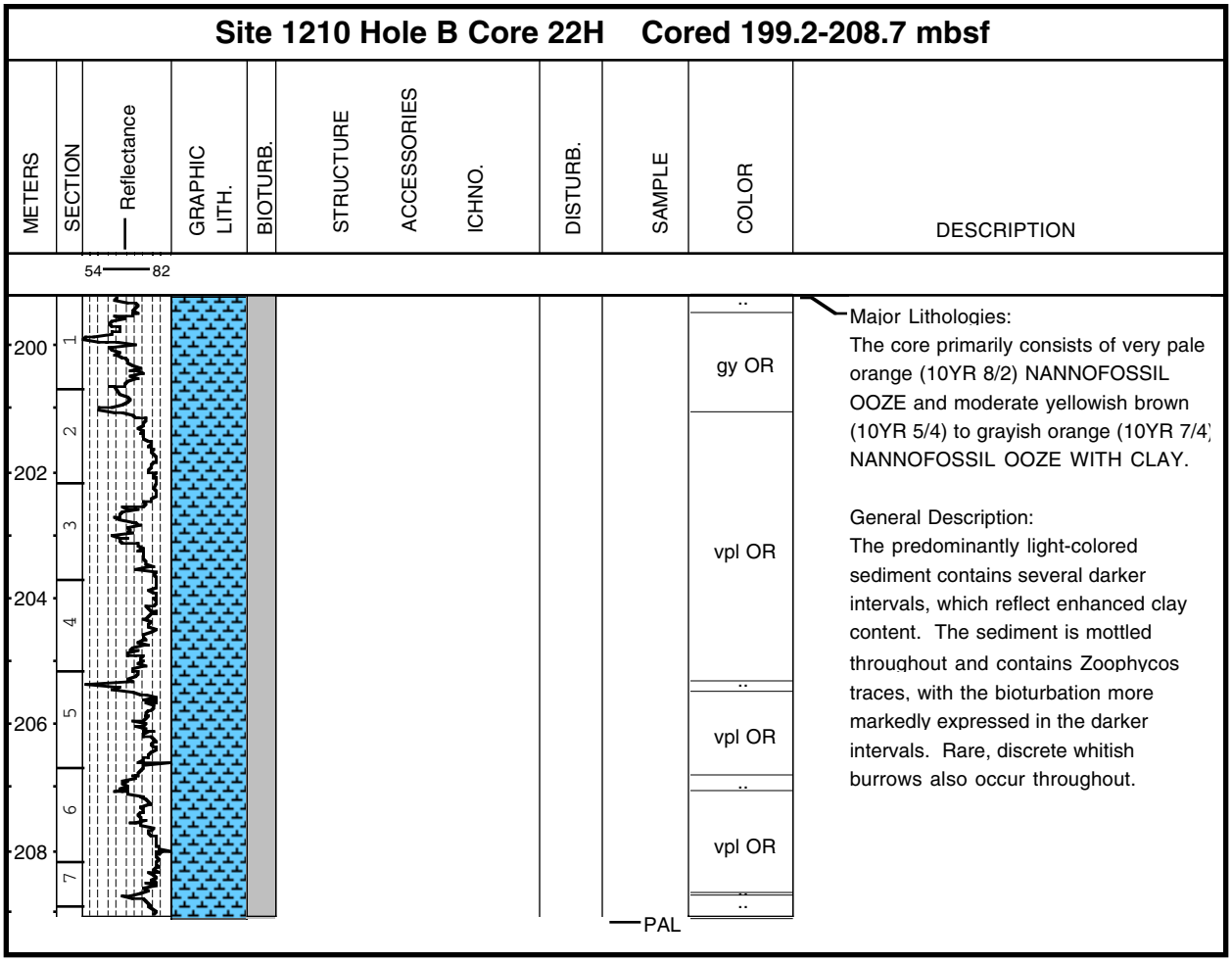
Core Photo


Site 1210 Hole B Core 20H Cored 180.2-189.7 mbsf
METERS
SECTION
Reflectance
63
81
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
182
184
186
188
190
1
2
3
4
5
6
7
PAL
gy OR
vpl OR
vpl OR
vpl OR
vpl OR
vpl OR
vpl OR
Major Lithology:
The core consists of grayish orange (10 YR 7/4) to very pale orange (10 YR 8/2) NANNOFOSSIL OOZE.
Minor Lithology:
One thin dark bed at 95 to 110 cm in Section 3 exhibits an abrupt base, overlain by a few mm of moderate yellowish brown (10YR 5/4) NANNOFOSSIL CLAY which gradationally passes up into grayish orange (10YR 7/4) NANNOFOSSIL OOZE.
General Comments:
The dominant lithology is homogeneous to slightly burrow mottled and exhibits a few slightly darker bands (burrow traces) in Section 6. The grayish orange (10YR 7/4) NANNOFOSSIL OOZE forms thin interbeds within the very pale orange (10YR 8/2) NANNOFOSSIL OOZE in Sections 4 and 6. The clay-rich interval in Section 3 is attributed to the so-called "LPTM". The darker sediment at the base of this bed has been burrowed into underlying very pale orange (10YR 8/2) NANNOFOSSIL OOZE, and the gradational top of the bed is also burrowed with admixed very pale orange (10YR 8/2) NANNOFOSSIL OOZE.

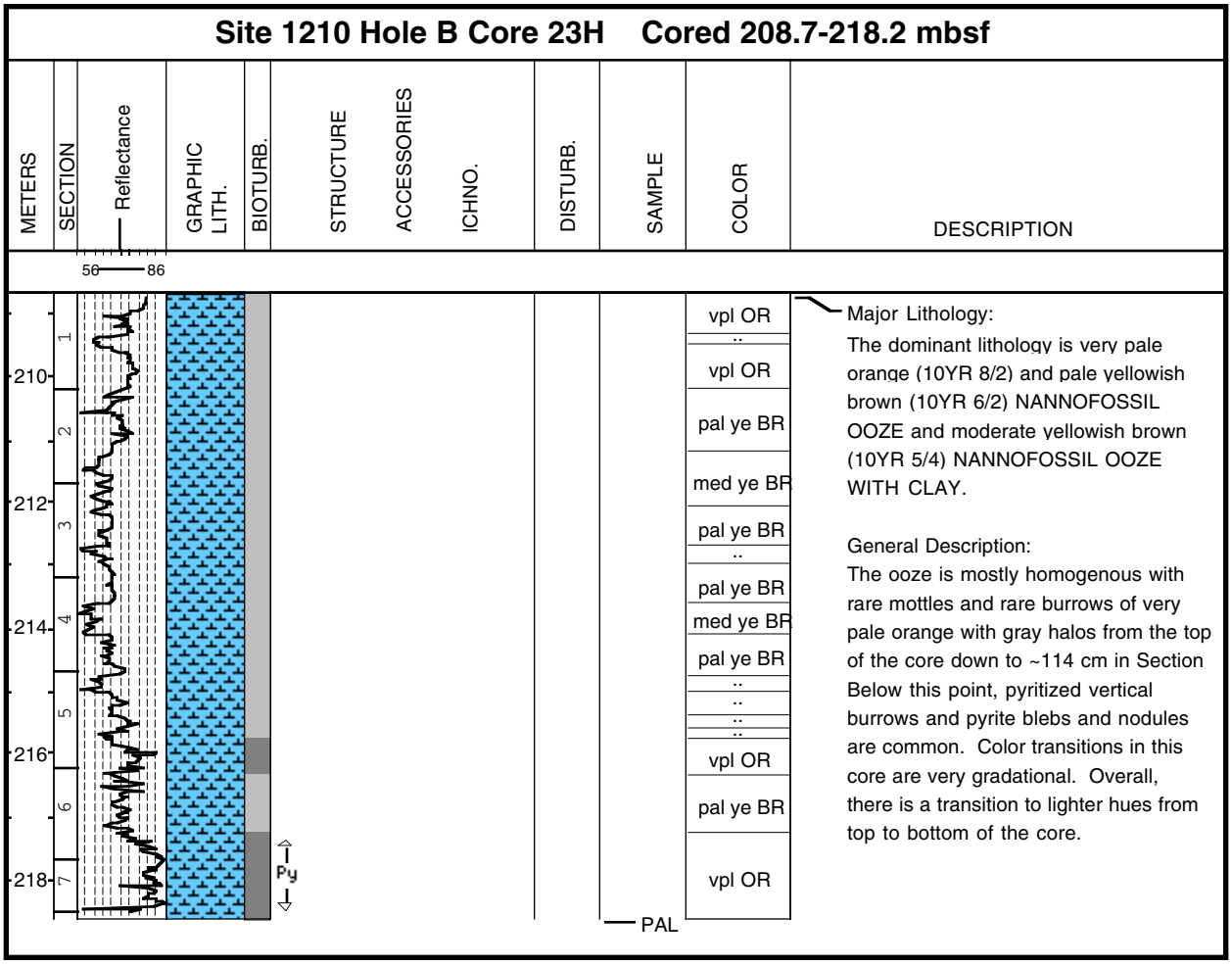
Core Photo


Site 1210 Hole B Core 21H Cored 189.7-199.20 mbsf
METERS
SECTION
REFLECTANCE
62
83
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
190
192
194
196
198
1
2
3
4
5
6
7
vpl OR
vpl OR
vpl OR
vpl OR
vpl OR
vpl OR
vpl OR
Major Lithology:
The sediment is primarily homogenous t
faintly mottled, very pale orange (10YR
8/2) to pale orange (10YR 7/2)
NANNOFOSSIL OOZE.
General Description:
This core contains sediment that is
homogenous to faintly mottled
throughout with no recognizable trace
fossils. Somewhat darker interbeds
have slight increase in clay content, but
transitions to intervals of different
hues are very gradational and color
changes are subtle.

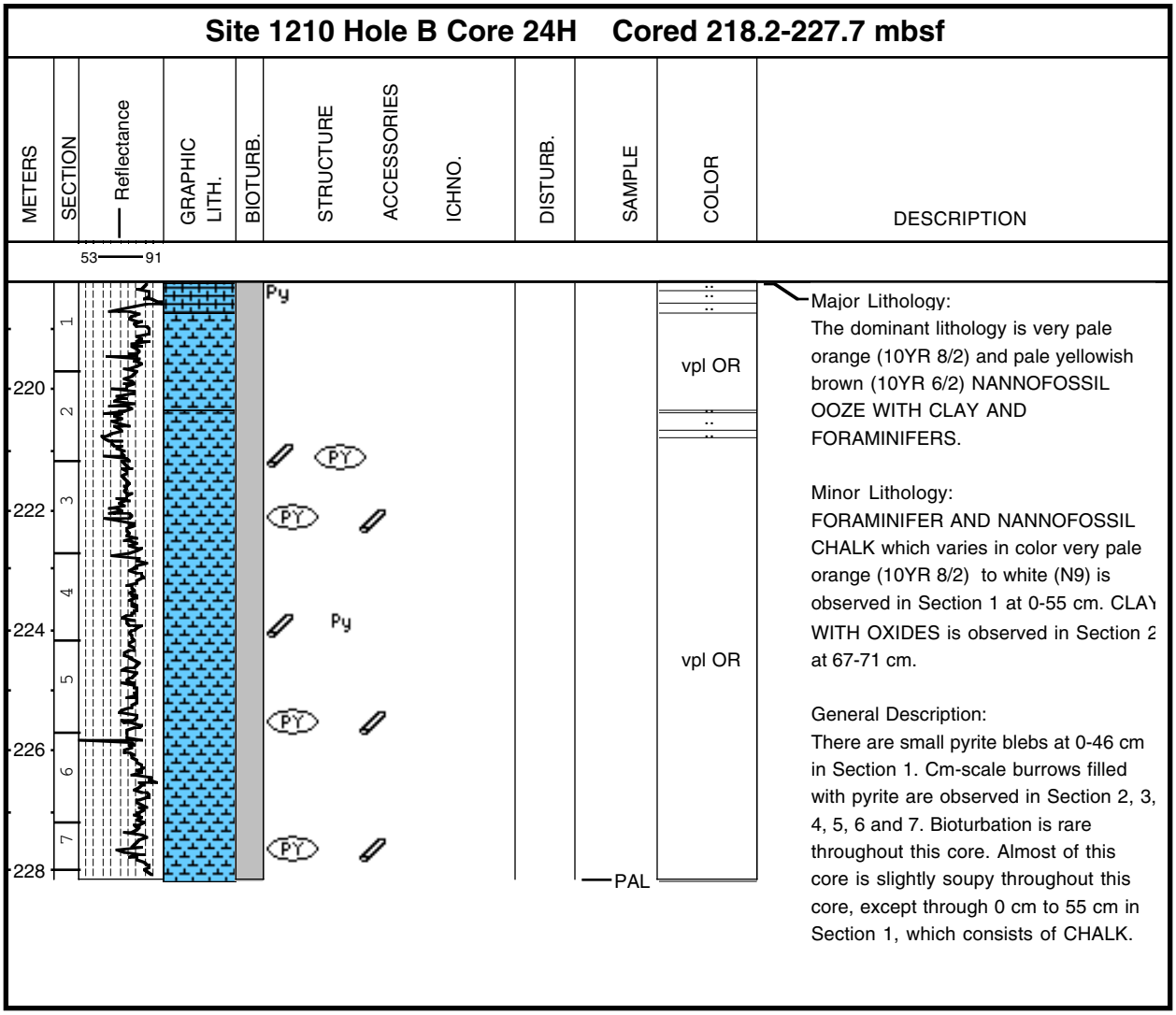
Core Photo


Site 1210 Hole B Core 22H Cored 199.2-208.7 mbsf
METERS
SECTION
Reflectance
54
82
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
200
202
204
206
208
1
2
3
4
5
6
7
gy OR
vpl OR
vpl OR
vpl OR
PAL
Major Lithologies:
The core primarily consists of very pale orange (10YR 8/2) NANNOFOSSIL OOZE and moderate yellowish brown (10YR 5/4) to grayish orange (10YR 7/4) NANNOFOSSIL OOZE WITH CLAY.
General Description:
The predominantly light-colored sediment contains several darker intervals, which reflect enhanced clay content. The sediment is mottled throughout and contains Zoophycos traces, with the bioturbation more markedly expressed in the darker intervals. Rare, discrete whitish burrows also occur throughout.

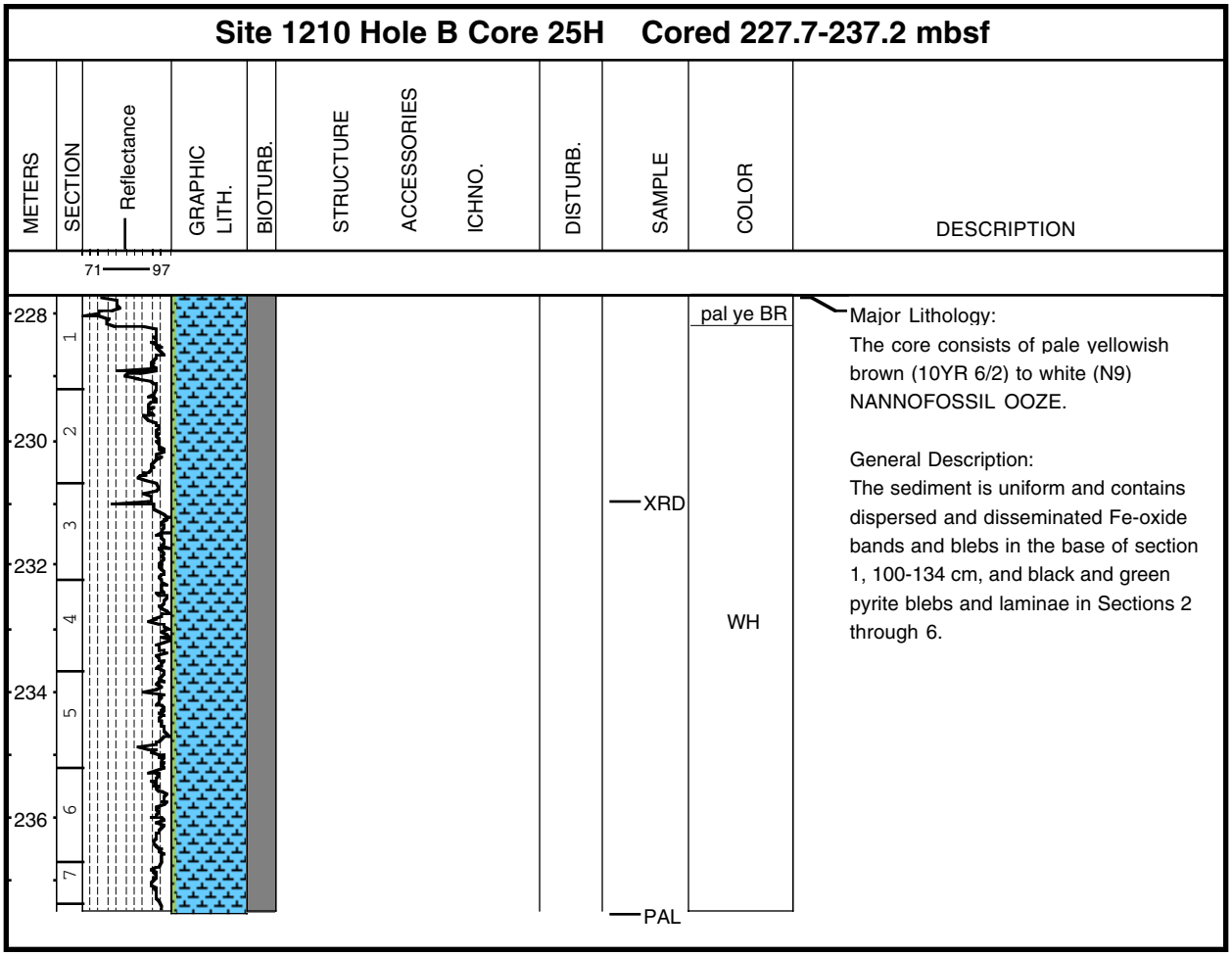
Core Photo


Site 1210 Hole B Core 23H Cored 208.7-218.2 mbsf
METERS
SECTION
Reflectance
56
86
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
210
212
214
216
218
1
2
3
4
5
6
7
Py
PAL
vpl OR
vpl OR
pal ye BR
med ye BR
pal ye BR
pal ye BR
med ye BR
pal ye BR
vpl OR
pal ye BR
vpl OR
Major Lithology:
The dominant lithology is very pale orange (10YR 8/2) and pale yellowish brown (10YR 6/2) NANNOFOSSIL OOZE and moderate yellowish brown (10YR 5/4) NANNOFOSSIL OOZE WITH CLAY.
General Description:
The ooze is mostly homogenous with rare mottles and rare burrows of very pale orange with gray halos from the top of the core down to ~114 cm in Section Below this point, pyritized vertical burrows and pyrite blebs and nodules are common. Color transitions in this core are very gradational. Overall, there is a transition to lighter hues from top to bottom of the core.

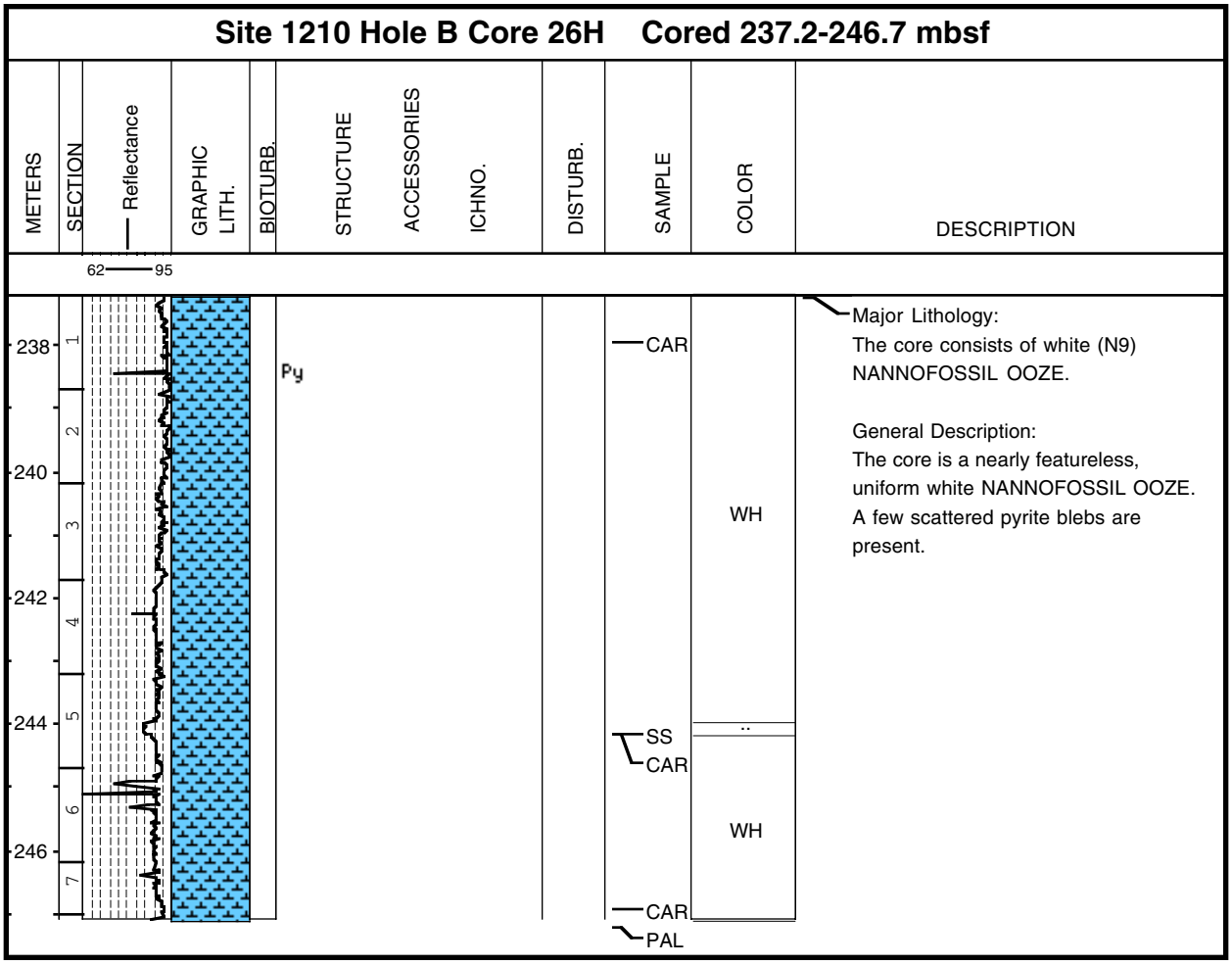
Core Photo


Site 1210 Hole B Core 24H Cored 218.2-227.7 mbsf
METERS
SECTION
Reflectance
53
91
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
220
222
224
226
228
1
2
3
4
5
6
7
Py
PY
Py
PY
PY
PAL
vpl OR
vpl OR
Major Lithology:
The dominant lithology is very pale orange (10YR 8/2) and pale yellowish brown (10YR 6/2) NANNOFOSSIL OOZE WITH CLAY AND FORAMINIFERS.
Minor Lithology:
FORAMINIFER AND NANNOFOSSIL CHALK which varies in color very pale orange (10YR 8/2) to white (N9) is observed in Section 1 at 0-55 cm. CLAY WITH OXIDES is observed in Section 2 at 67-71 cm.
General Description:
There are small pyrite blebs at 0-46 cm in Section 1. Cm-scale burrows filled with pyrite are observed in Section 2, 3, 4, 5, 6 and 7. Bioturbation is rare throughout this core. Almost of this core is slightly soupy throughout this core, except through 0 cm to 55 cm in Section 1, which consists of CHALK.

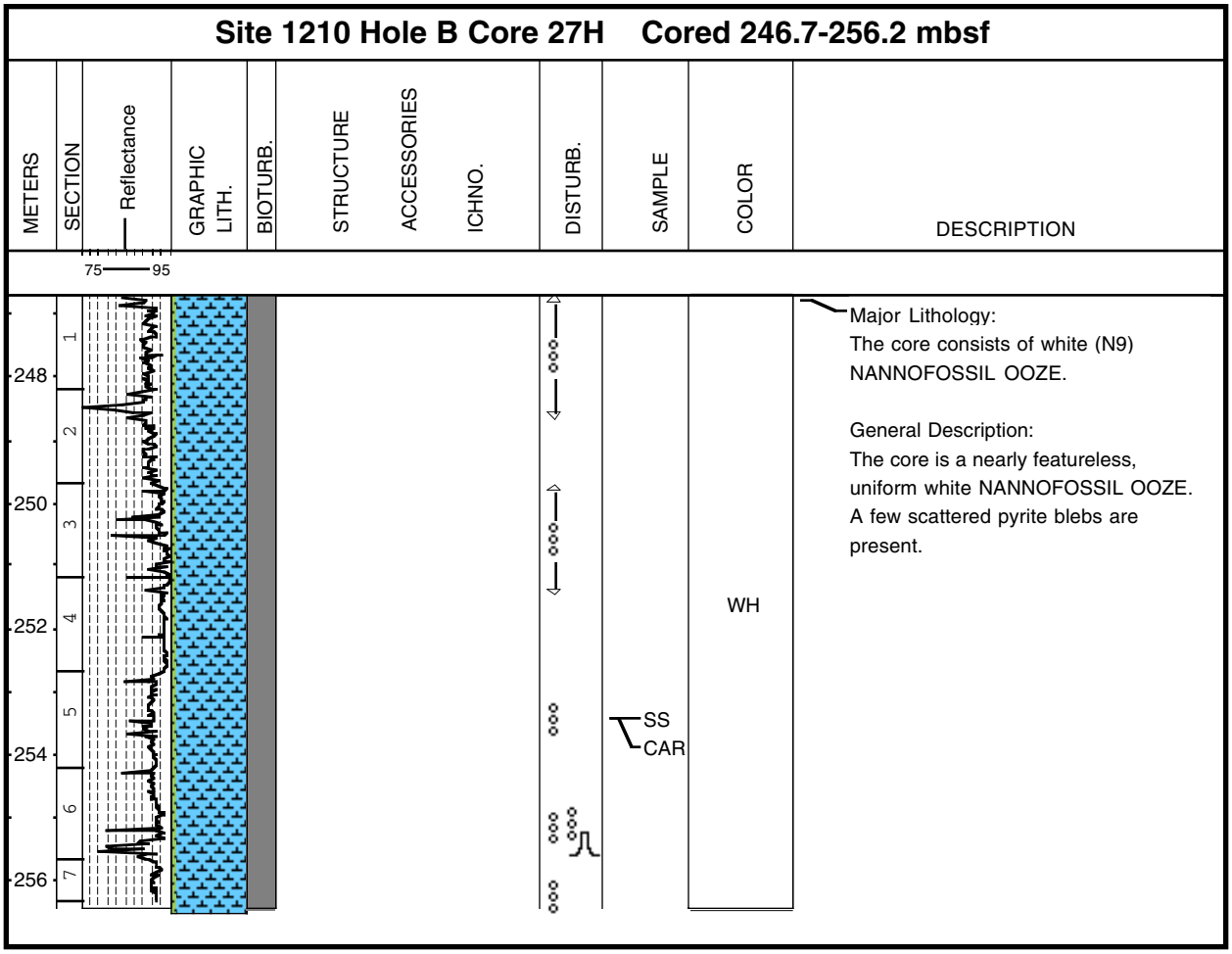
Core Photo


Site 1210 Hole B Core 25H Cored 227.7-237.2 mbsf
METERS
SECTION
Reflectance
71
97
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
228
230
232
234
236
1
2
3
4
5
6
7
XRD
PAL
pal ye BR
WH
Major Lithology:
The core consists of pale yellowish brown (10YR 6/2) to white (N9) NANNOFOSSIL OOZE.
General Description:
The sediment is uniform and contains dispersed and disseminated Fe-oxide bands and blebs in the base of section 1, 100-134 cm, and black and green pyrite blebs and laminae in Sections 2 through 6.

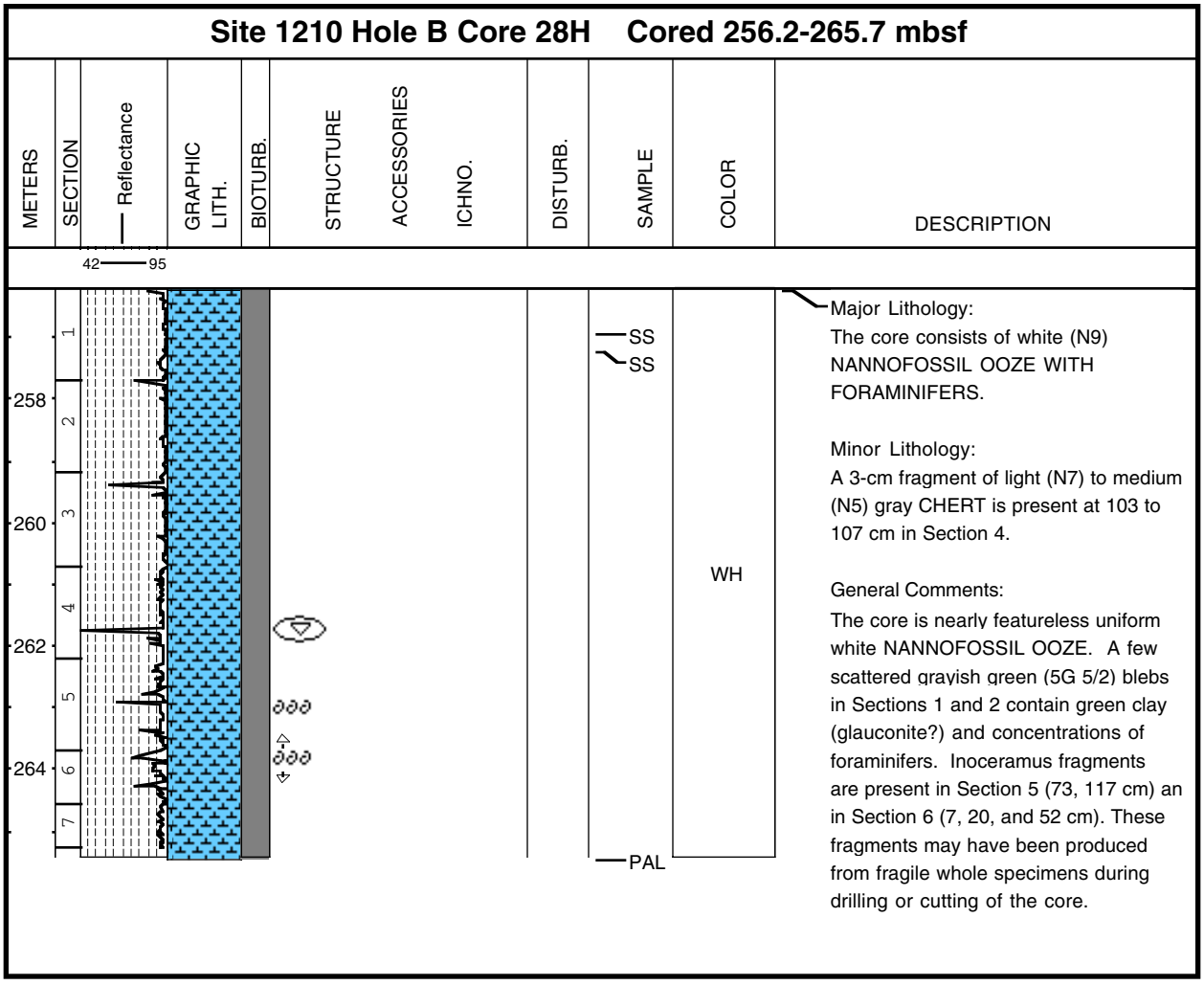
Core Photo


Site 1210 Hole B Core 26H Cored 237.2-246.7 mbsf
METERS
SECTION
Reflectance
62
95
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
238
240
242
244
246
1
2
3
4
5
6
7
Py
CAR
SS
CAR
CAR
PAL
WH
WH
Major Lithology:
The core consists of white (N9) NANNOFOSSIL OOZE.
General Description:
The core is a nearly featureless, uniform white NANNOFOSSIL OOZE. A few scattered pyrite blebs are present.

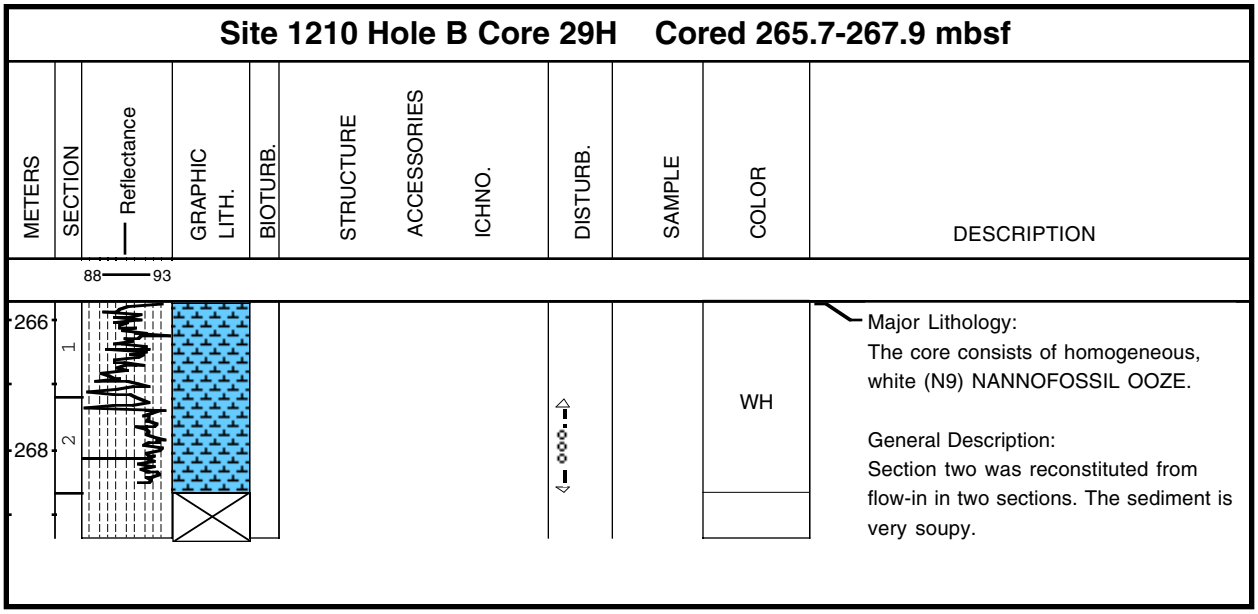
Core Photo


Site 1210 Hole B Core 27H Cored 246.7-256.2 mbsf
METERS
SECTION
Reflectance
75
95
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
248
250
252
254
256
1
2
3
4
5
6
7
SS
CAR
WH
Major Lithology:
The core consists of white (N9) NANNOFOSSIL OOZE.
General Description:
The core is a nearly featureless, uniform white NANNOFOSSIL OOZE. A few scattered pyrite blebs are present.

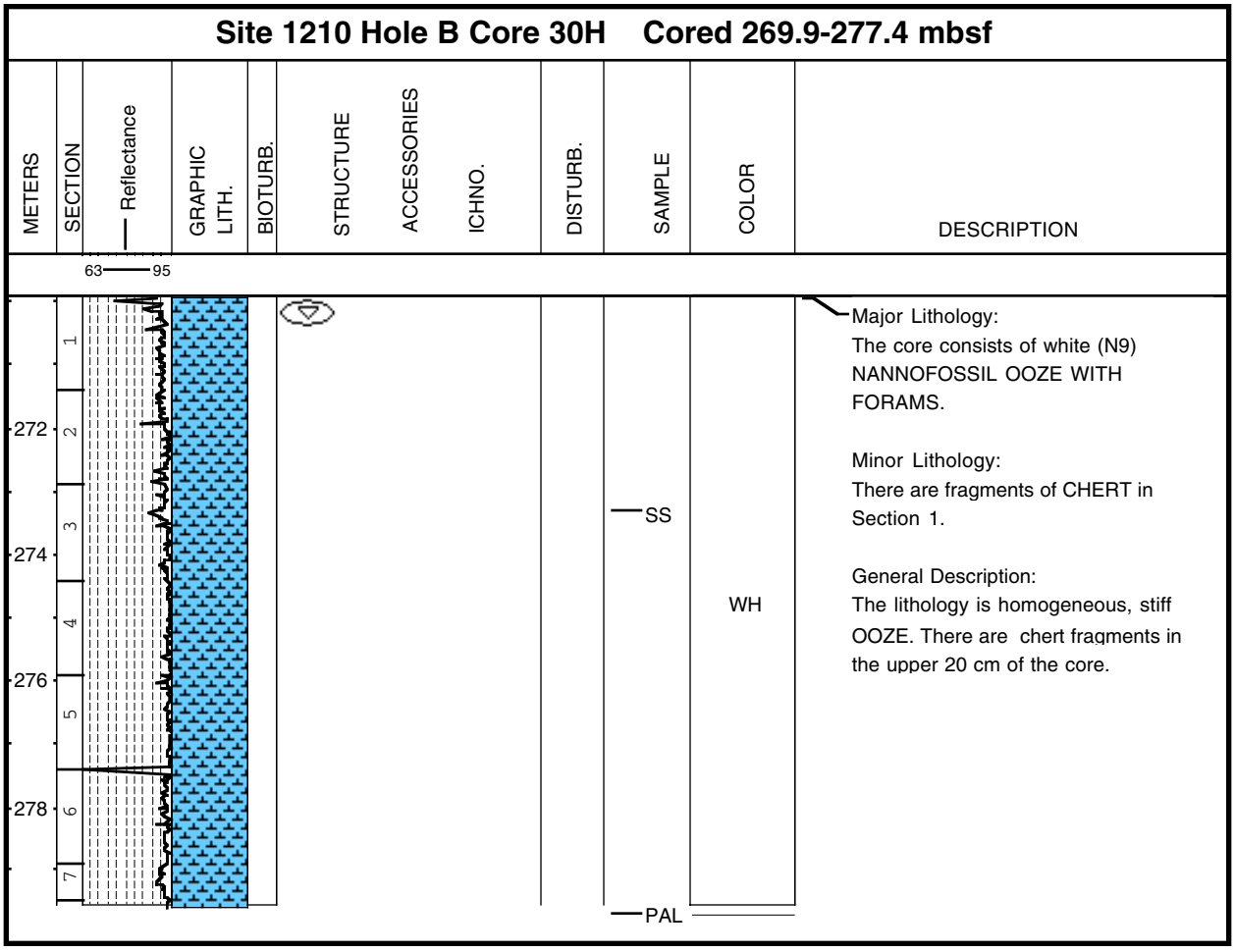
Core Photo


Site 1210 Hole B Core 28H Cored 256.2-265.7 mbsf
METERS
SECTION
Reflectance
42
95
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
258
260
262
264
1
2
3
4
5
6
7
SS
SS
PAL
WH
Major Lithology:
The core consists of white (N9) NANNOFOSSIL OOZE WITH FORAMINIFERS.
Minor Lithology:
A 3-cm fragment of light (N7) to medium (N5) gray CHERT is present at 103 to 107 cm in Section 4.
General Comments:
The core is nearly featureless uniform white NANNOFOSSIL OOZE. A few scattered gravish green (5G 5/2) blebs in Sections 1 and 2 contain green clay (glauconite?) and concentrations of foraminifers. Inoceramus fragments are present in Section 5 (73, 117 cm) an in Section 6 (7, 20, and 52 cm). These fragments may have been produced from fragile whole specimens during drilling or cutting of the core.

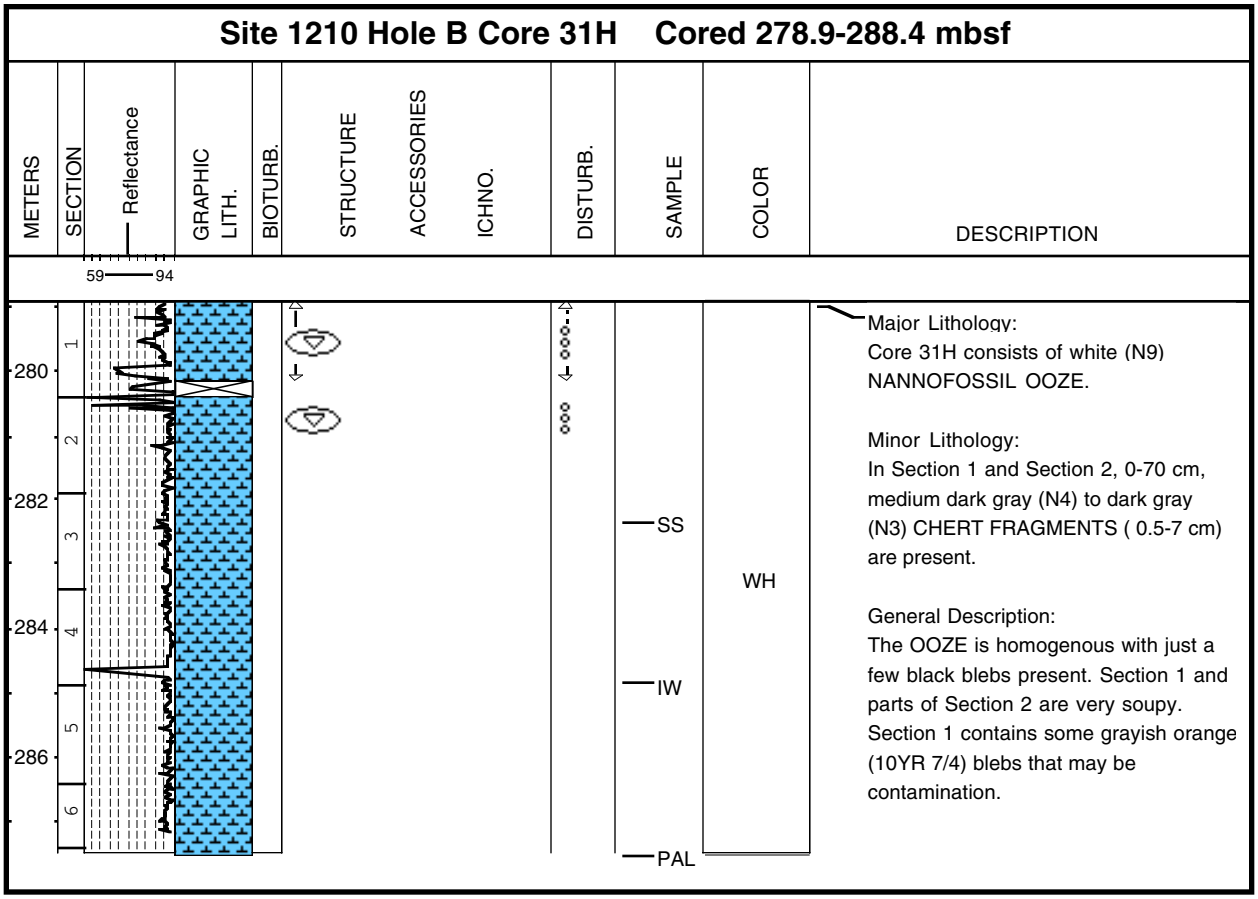
Core Photo


Site 1210 Hole B Core 29H Cored 265.7-267.9 mbsf
METERS
SECTION
Reflectance
88
93
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
266
268
1
2
WH
Major Lithology:
The core consists of homogeneous, white (N9) NANNOFOSSIL OOZE.
General Description:
Section two was reconstituted from flow-in in two sections. The sediment is very soupy.

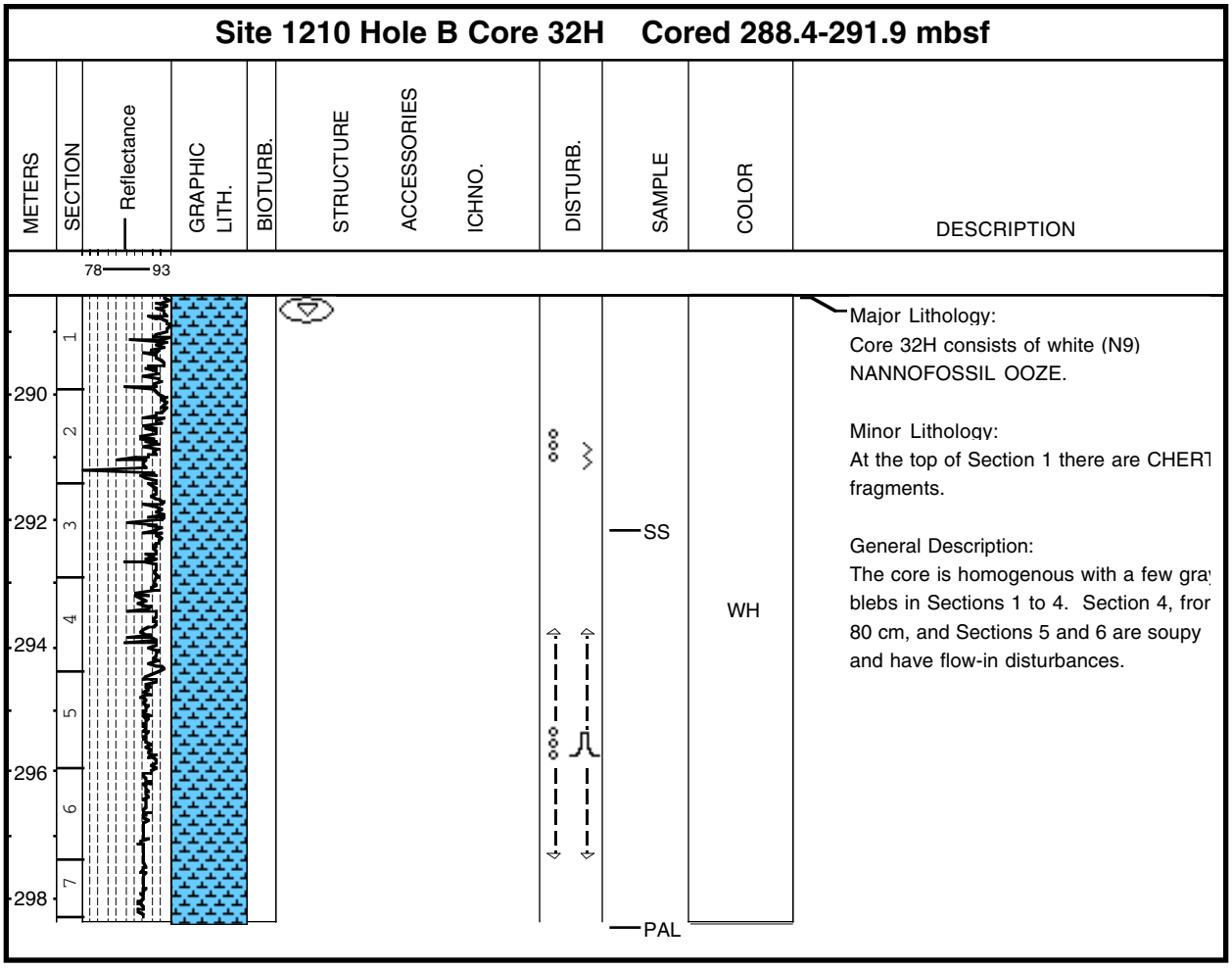
Core Photo


Site 1210 Hole B Core 30H Cored 269.9-277.4 mbsf
METERS
SECTION
Reflectance
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
63
95
272
274
276
278
1
2
3
4
5
6
7
SS
PAL
WH
Major Lithology:
The core consists of white (N9) NANNOFOSSIL OOZE WITH FORAMS.
Minor Lithology:
There are fragments of CHERT in Section 1.
General Description:
The lithology is homogeneous, stiff OOZE. There are chert fragments in the upper 20 cm of the core.

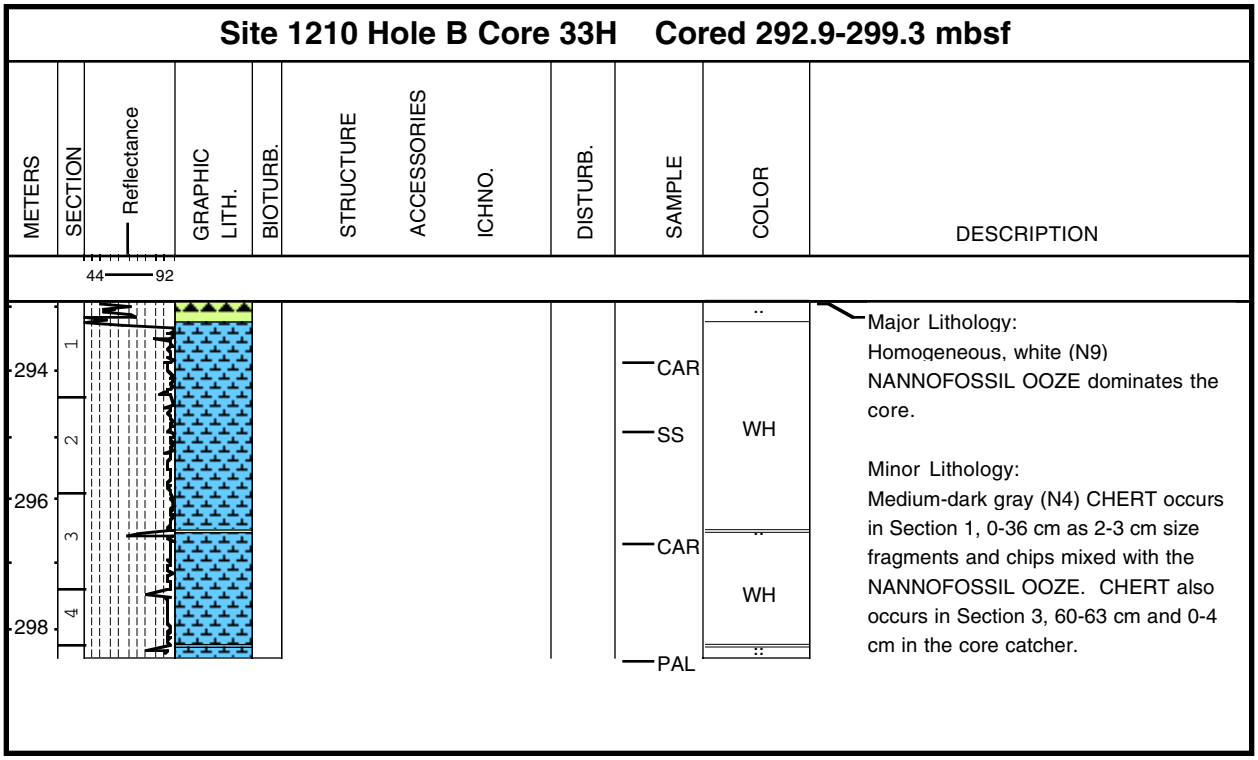
Core Photo


Site 1210 Hole B Core 31H Cored 278.9-288.4 mbsf
METERS
SECTION
Reflectance
59
94
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
280
282
284
286
1
2
3
4
5
6
SS
IW
PAL
WH
Major Lithology:
Core 31H consists of white (N9) NANNOFOSSIL OOZE.
Minor Lithology:
In Section 1 and Section 2, 0-70 cm, medium dark gray (N4) to dark gray (N3) CHERT FRAGMENTS (0.5-7 cm) are present.
General Description:
The OOZE is homogenous with just a few black blebs present. Section 1 and parts of Section 2 are very soupy. Section 1 contains some grayish orange (10YR 7/4) blebs that may be contamination.

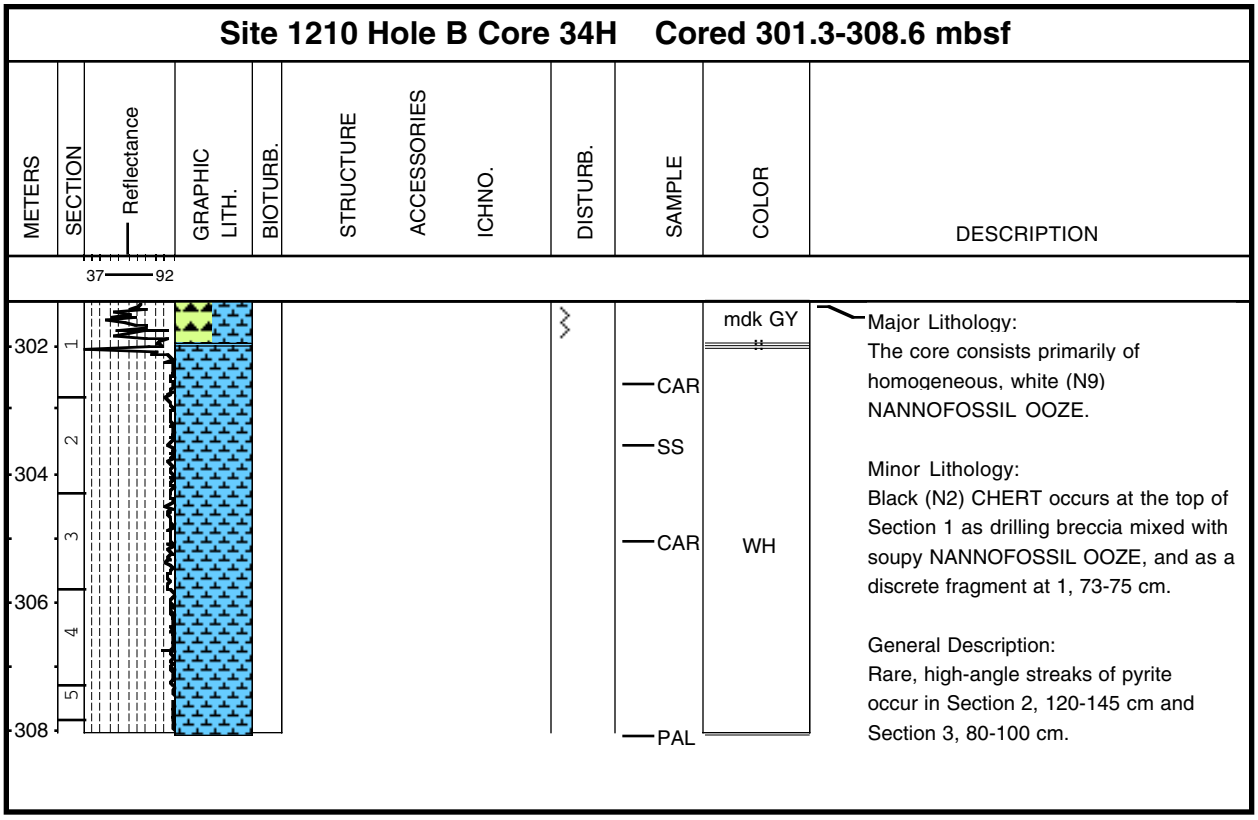
Core Photo


Site 1210 Hole B Core 32H Cored 288.4-291.9 mbsf
METERS
SECTION
Reflectance
78
93
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
290
292
294
296
298
1
2
3
4
5
6
7
SS
PAL
WH
Major Lithology:
Core 32H consists of white (N9) NANNOFOSSIL OOZE.
Minor Lithology:
At the top of Section 1 there are CHERT fragments.
General Description:
The core is homogenous with a few gra
blebs in Sections 1 to 4. Section 4, fror
80 cm, and Sections 5 and 6 are soupy
and have flow-in disturbances.

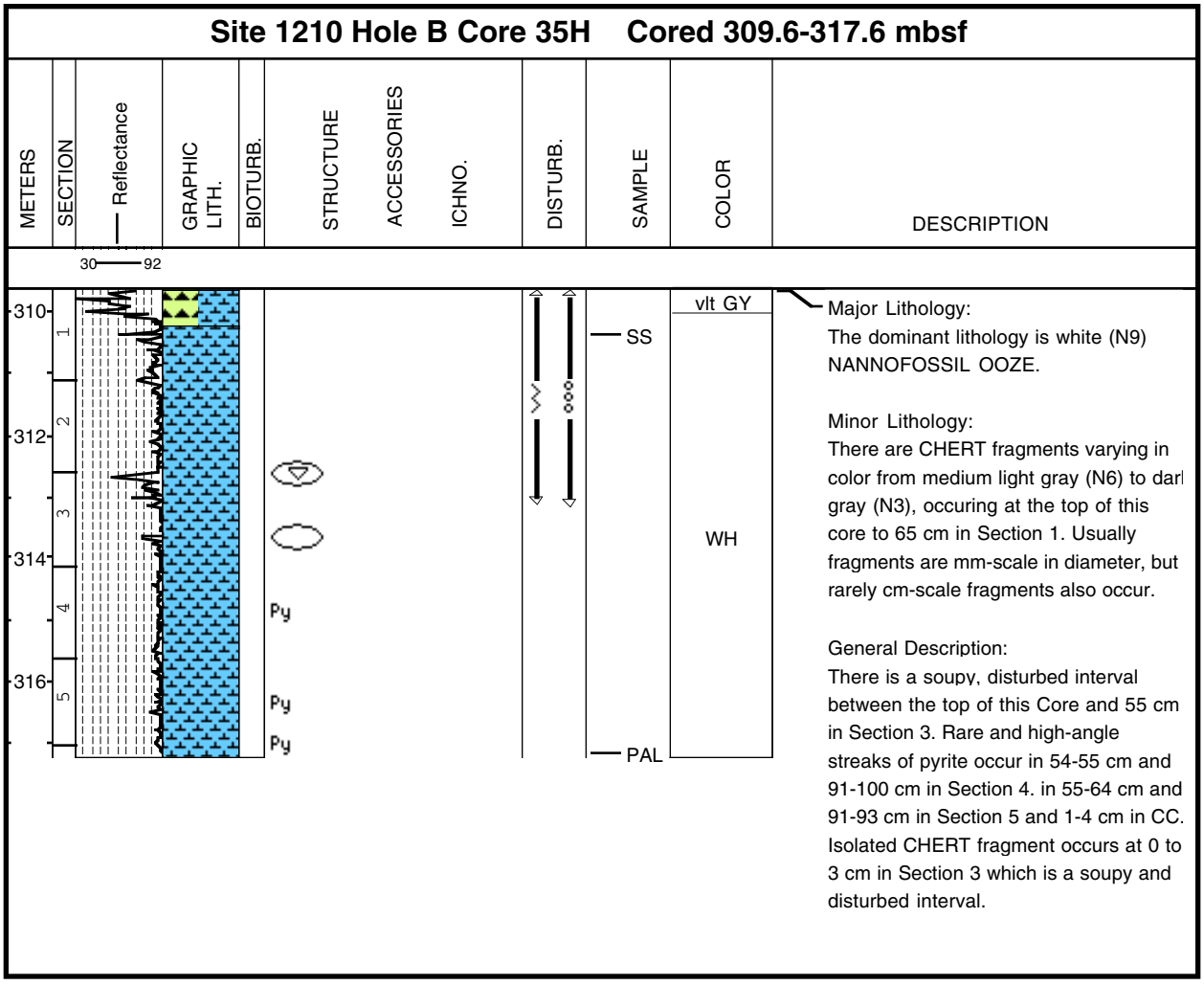
Core Photo


Site 1210 Hole B Core 33H Cored 292.9-299.3 mbsf
METERS
SECTION
Reflectance
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
44
92
294
296
298
1
2
3
4
CAR
SS
CAR
PAL
WH
WH
Major Lithology:
Homogeneous, white (N9) NANNOFOSSIL OOZE dominates the core.
Minor Lithology:
Medium-dark gray (N4) CHERT occurs in Section 1, 0-36 cm as 2-3 cm size fragments and chips mixed with the NANNOFOSSIL OOZE. CHERT also occurs in Section 3, 60-63 cm and 0-4 cm in the core catcher.

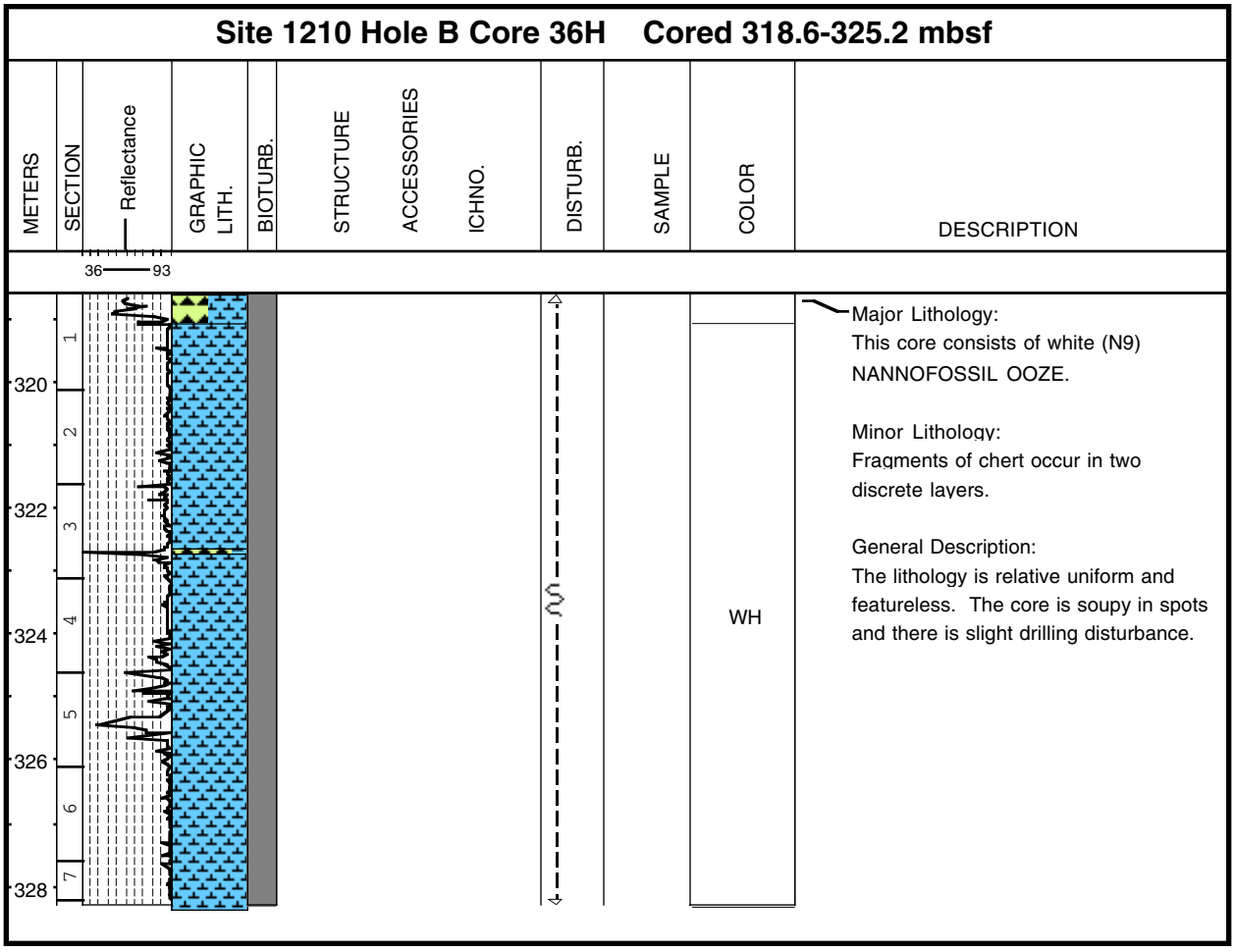
Core Photo


Site 1210 Hole B Core 34H Cored 301.3-308.6 mbsf
METERS
SECTION
Reflectance
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
37
92
302
304
306
308
1
2
3
4
5
CAR
SS
CAR
PAL
mdk GY
WH
Major Lithology:
The core consists primarily of homogeneous, white (N9) NANNOFOSSIL OOZE.
Minor Lithology:
Black (N2) CHERT occurs at the top of Section 1 as drilling breccia mixed with soupy NANNOFOSSIL OOZE, and as a discrete fragment at 1, 73-75 cm.
General Description:
Rare, high-angle streaks of pyrite occur in Section 2, 120-145 cm and Section 3, 80-100 cm.

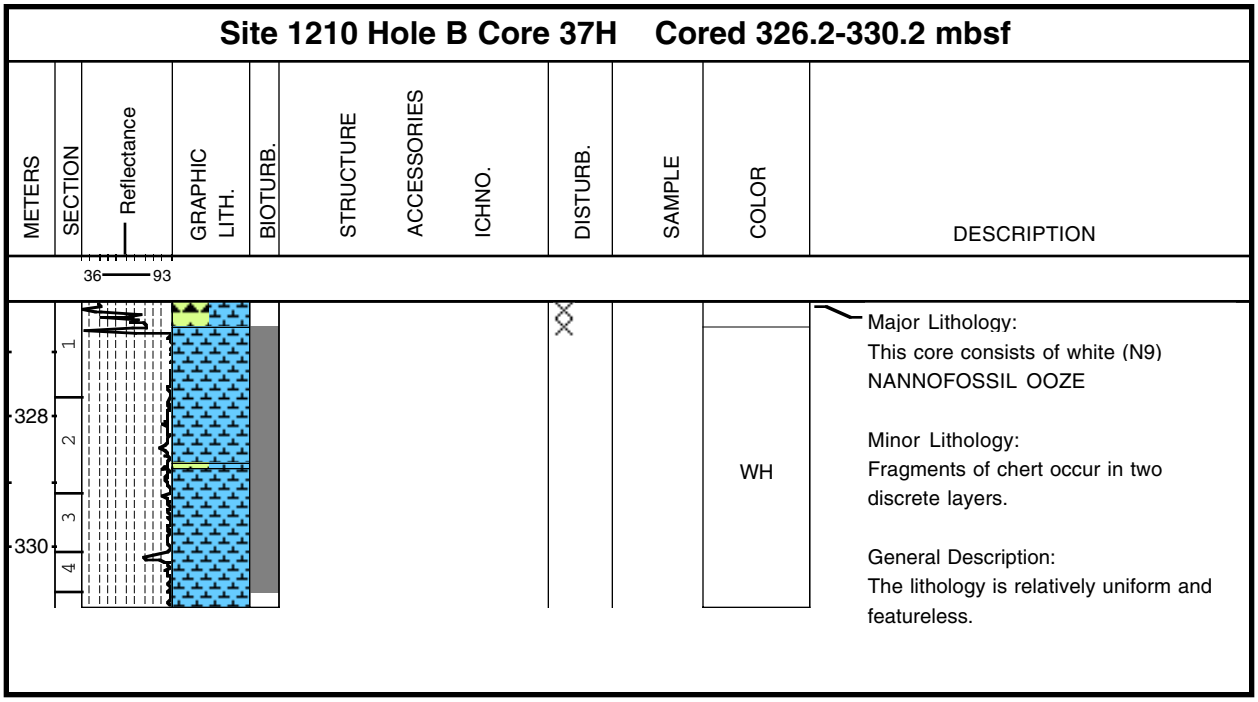
Core Photo


Site 1210 Hole B Core 35H Cored 309.6-317.6 mbsf
METERS
SECTION
Reflectance
30
92
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
310
312
314
316
1
2
3
4
5
Py
Py
Py
SS
PAL
vlt GY
WH
Major Lithology:
The dominant lithology is white (N9) NANNOFOSSIL OOZE.
Minor Lithology:
There are CHERT fragments varying in color from medium light gray (N6) to dark gray (N3), occuring at the top of this core to 65 cm in Section 1. Usually fragments are mm-scale in diameter, but rarely cm-scale fragments also occur.
General Description:
There is a soupy, disturbed interval between the top of this Core and 55 cm in Section 3. Rare and high-angle streaks of pyrite occur in 54-55 cm and 91-100 cm in Section 4. in 55-64 cm and 91-93 cm in Section 5 and 1-4 cm in CC. Isolated CHERT fragment occurs at 0 to 3 cm in Section 3 which is a soupy and disturbed interval.

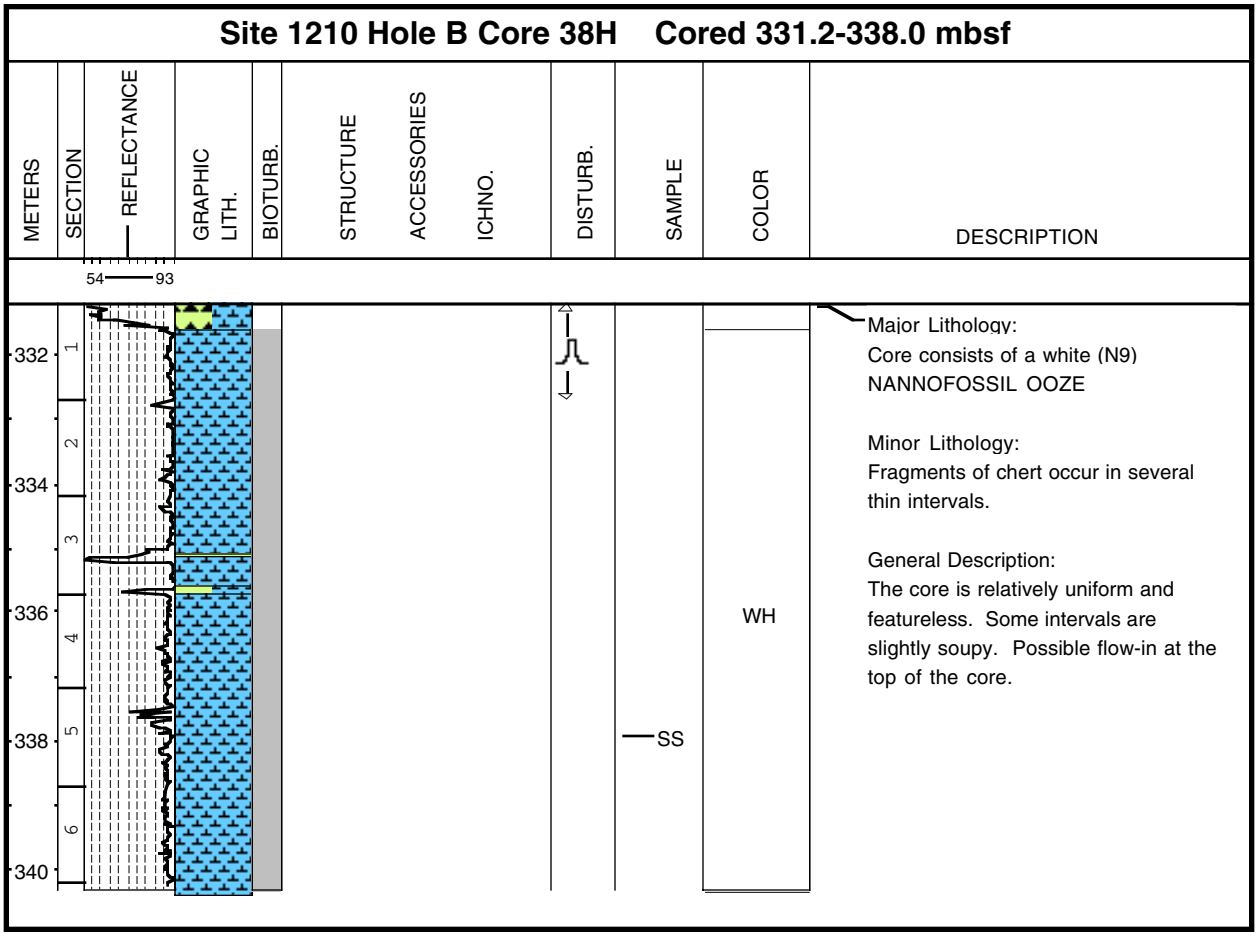
Core Photo


Site 1210 Hole B Core 36H Cored 318.6-325.2 mbsf
METERS
SECTION
Reflectance
36
93
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
320
322
324
326
328
1
2
3
4
5
6
7
WH
Major Lithology:
This core consists of white (N9) NANNOFOSSIL OOZE.
Minor Lithology:
Fragments of chert occur in two discrete layers.
General Description:
The lithology is relative uniform and featureless. The core is soupy in spots and there is slight drilling disturbance.

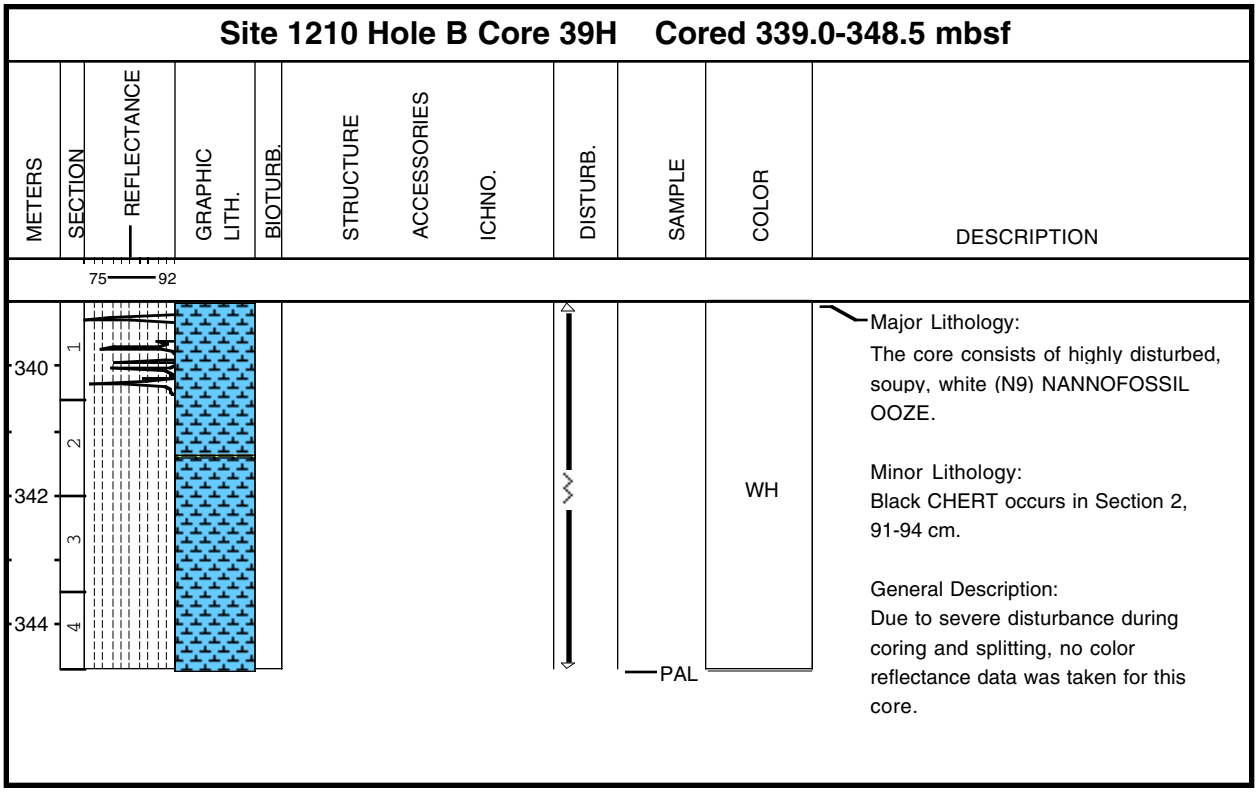
Core Photo


Site 1210 Hole B Core 37H Cored 326.2-330.2 mbsf
METERS
SECTION
Reflectance
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
36
93
328
330
1
2
3
4
WH
Major Lithology:
This core consists of white (N9) NANNOFOSSIL OOZE
Minor Lithology:
Fragments of chert occur in two discrete layers.
General Description:
The lithology is relatively uniform and featureless.

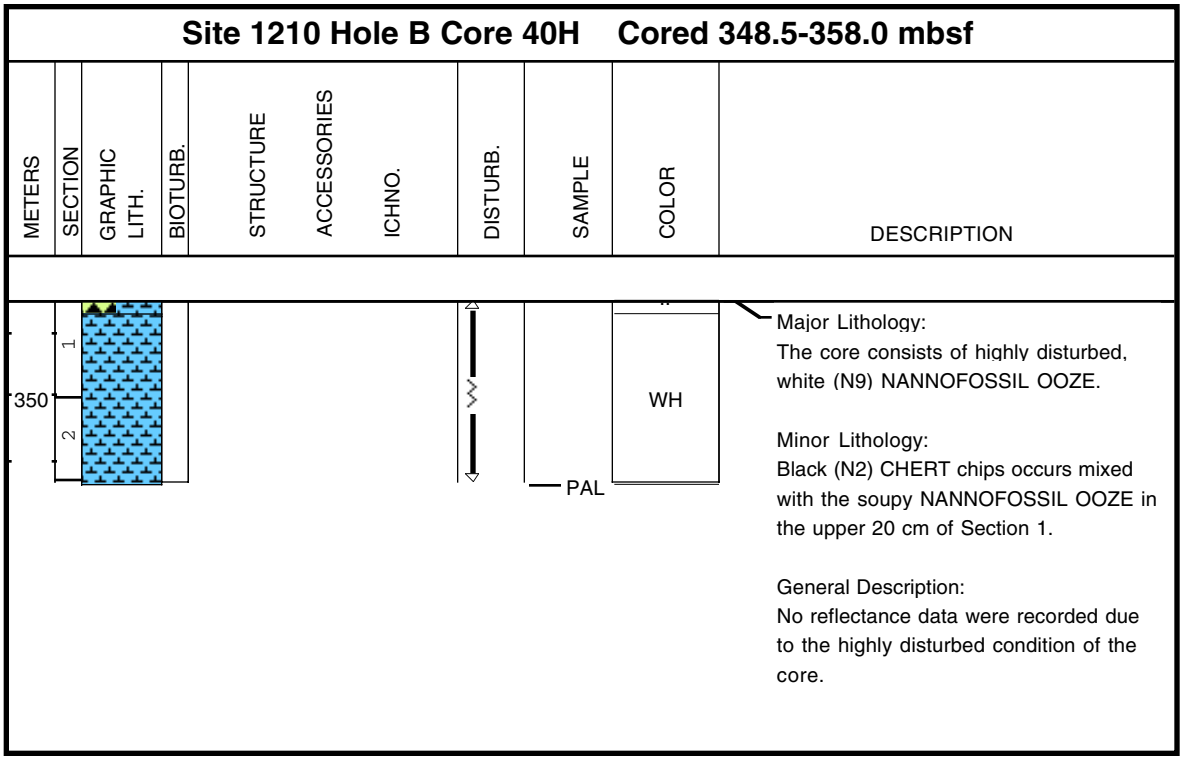
Core Photo


Site 1210 Hole B Core 38H Cored 331.2-338.0 mbsf
METERS
SECTION
REFLECTANCE
54
93
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
332
334
336
338
340
1
2
3
4
5
6
SS
WH
Major Lithology:
Core consists of a white (N9) NANNOFOSSIL OOZE
Minor Lithology:
Fragments of chert occur in several thin intervals.
General Description:
The core is relatively uniform and featureless. Some intervals are slightly soupy. Possible flow-in at the top of the core.

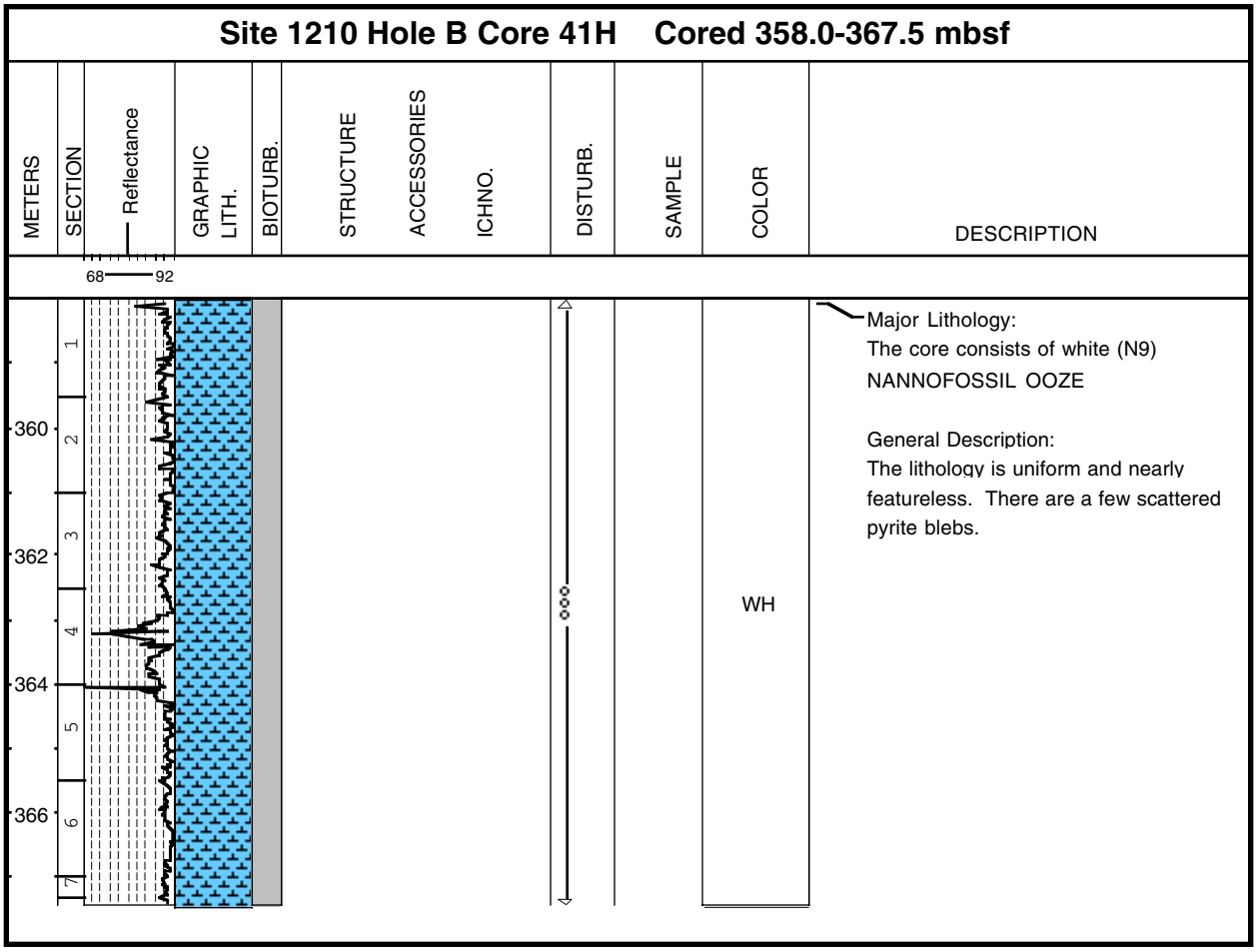
Core Photo


Site 1210 Hole B Core 39H Cored 339.0-348.5 mbsf
METERS
SECTION
REFLECTANCE
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
75
92
340
342
344
1
2
3
4
PAL
WH
Major Lithology:
The core consists of highly disturbed, soupy, white (N9) NANNOFOSSIL OOZE.
Minor Lithology:
Black CHERT occurs in Section 2, 91-94 cm.
General Description:
Due to severe disturbance during coring and splitting, no color reflectance data was taken for this core.

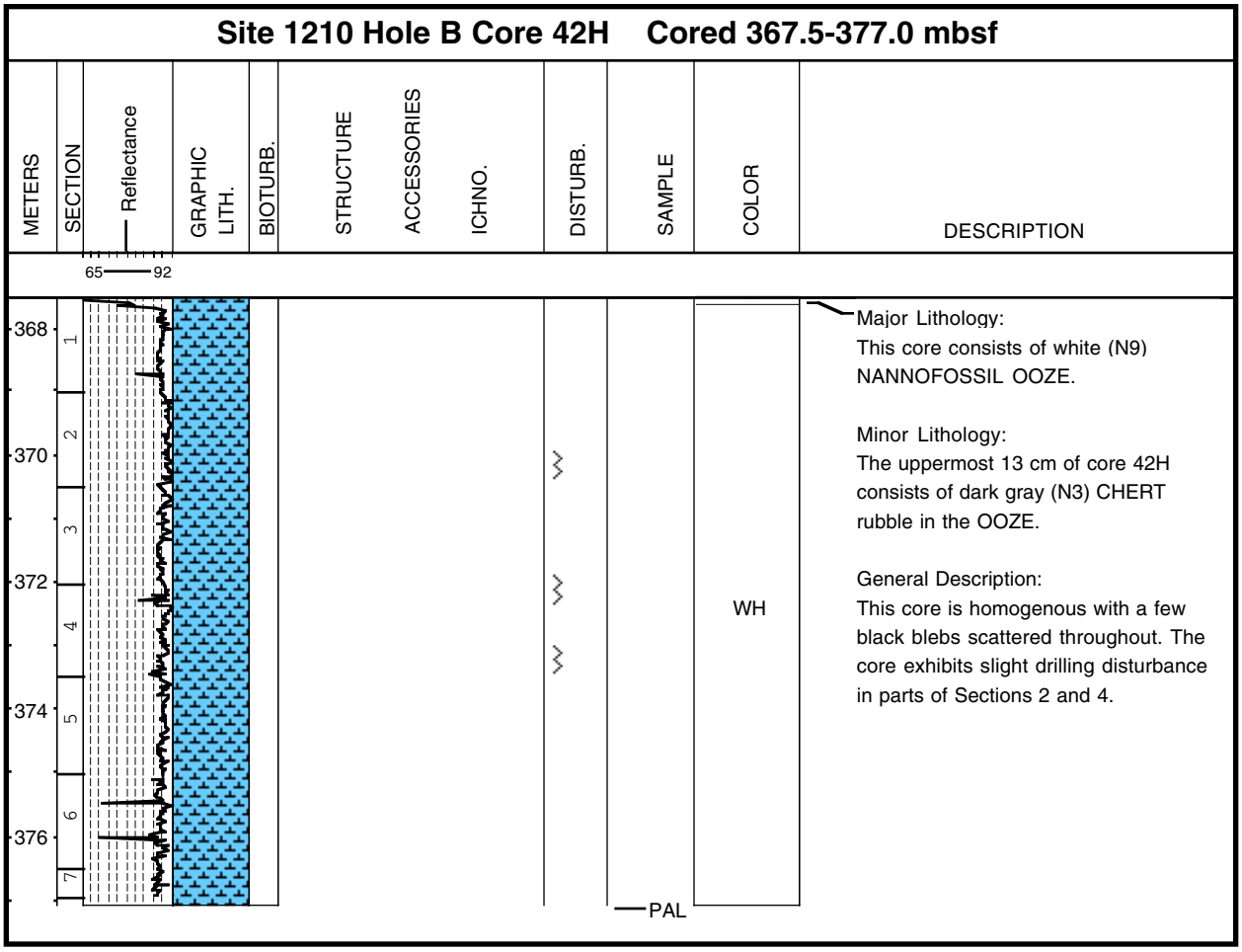
Core Photo


Site 1210 Hole B Core 40H Cored 348.5-358.0 mbsf
METERS
SECTION
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
350
1
2
PAL
WH
Major Lithology:
The core consists of highly disturbed, white (N9) NANNOFOSSIL OOZE.
Minor Lithology:
Black (N2) CHERT chips occurs mixed with the soupy NANNOFOSSIL OOZE in the upper 20 cm of Section 1.
General Description:
No reflectance data were recorded due to the highly disturbed condition of the core.

Core Photo


Site 1210 Hole B Core 41H Cored 358.0-367.5 mbsf
METERS
SECTION
Reflectance
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
68
92
360
362
364
366
1
2
3
4
5
6
7
WH
Major Lithology:
The core consists of white (N9) NANNOFOSSIL OOZE
General Description:
The lithology is uniform and nearly featureless. There are a few scattered pyrite blebs.

Core Photo


Site 1210 Hole B Core 42H Cored 367.5-377.0 mbsf
METERS
SECTION
Reflectance
GRAPHIC LITH.
BIOTURB.
STRUCTURE
ACCESSORIES
ICHNO.
DISTURB.
SAMPLE
COLOR
DESCRIPTION
65
92
368
370
372
374
376
1
2
3
4
5
6
7
PAL
WH
Major Lithology:
This core consists of white (N9) NANNOFOSSIL OOZE.
Minor Lithology:
The uppermost 13 cm of core 42H consists of dark gray (N3) CHERT rubble in the OOZE.
General Description:
This core is homogenous with a few black blebs scattered throughout. The core exhibits slight drilling disturbance in parts of Sections 2 and 4.

Smear Slides

Sample						Size			Mineral															Biogenic																						Rock				
Core	**Core Type**	**Section**	**Top (cm)**	**Depth (mbsf)**	**Lithology**	**Sand**	**Silt**	**Clay**	**Apatite**	**Barite**	**Calcite**	**Carbonate**	**Chalcedony**	**Chert**	**Clay Mineral**	**Detrital Carbonate**	**Dolomite**	**Fe Oxide**	**Feldspar**	**Glauconite**	**Inorganic Calcite**	**Mica**	**Muscovite**	**Opaques**	**Organic Calcite**	**Oxides**	**Phillipsite**	**Plagioclase**	**Pyrite**	**Quartz**	**Volcanic Glass**	**Zeolite**	**Calcispheres**	**Diatoms**	**Dinoflagellate**	**Fish Remains**	**Foraminifers**	**Mollusk**	**Nannofossils**	**Pollen**	**Radiolarians**	**Silicoflagellates**	**Sponge Spicules**	**Bioclasts**	**Organic debris**	**Cement**	**Fecal Pellet**	**Organic Debris**	**Organic Matter**	**Rock Fragment**
Hole A																																																		
1	H	1	78	0.78	D										20			*						1						*							5		74											
1	H	1	142	1.42	D										20									1													4		74		1	*								
1	H	2	105	2.55	M										25																			1			20		53		1									
1	H	4	56	5.06	D										2			1				2															5		90											
2	H	1	41	6.31	D										14						1								*	*							5		80											
2	H	1	131	7.21	D										11						1									*							3		85											
3	H	1	78	16.18	D										*						1				1												15		83		*									
3	H	2	83	17.73	D										3				*		3				4												3		85		2									
4	H	1	51	25.41	D										25						2	*		*					*	*	1			1			5		66		*									
4	H	4	83	30.23	D										10				*		3								*	*	*			*			7		80		*									
5	H	1	73	35.13	D										25									*							*			*			2		73		*	*								
5	H	4	64	39.54	D										10																			1			7		81		*	1	*							
5	H	5	30	40.7	D							2			30			*						1						*	*			*			2		65			*								
5	H	6	102	42.92	M							*			10	*			*												67			2			1		20		*									
6	H	1	73	44.63	D										8									*							*			1			3		88		*		*							
6	H	5	72	50.62	D										15						3			*						*	*			1			5		75		1		*							
7	H	1	72	54.12	D										16															1							1		82		*									
7	H	3	5	56.45	M										36															1							3		60											
7	H	5	93	60.33	D										18														2								4		76											
7	H	7	19	62.59	M										34															1	1			*					64		*									
8	H	2	72	65.12	D							5			35																						3		55		2									
8	H	5	70	69.6	D							2			30																				*		1		67			*								
9	H	3	72	76.12	D							*			20																						*		80		*									
9	H	4	84	77.74	M							1			30			*						1							*			*			*		67		1	*	*							
10	H	1	130	83.2	D										5				1		3				1						*						3		84		3									
10	H	4	66	87.06	D										15						4				1												*		79		1									
10	H	4	119	87.59	M										22						3				5												1		69		*									
11	H	1	126	92.66	D										4															*	1	*		*			5		90		*									
11	H	4	128	97.18	D										25			*			*			*						*							5		70				*							
12	H	1	115	102.05	D										30							*								1							2		67											
12	H	2	134	103.74	D										15						2									1	*						1		81											
13	H	1	141	111.81	D										10			1			1										*						1		87											
13	H	2	32	112.22	D					3					73			3						*			5			1	*						5		10											
13	H	5	115	117.55	D										3			1									*										*		96											
14	H	3	137	124.27	D										9				*																		1		90											
14	H	4	137	125.77	D										10				*																		*		90											
15	H	1	120	130.6	D					*					30			3													1	15					1		50											
15	H	5	16	135.56	D										3						1											1					5		90											
16	H	1	72	139.62	D							5			5						10												5						75											
16	H	3	75	142.65	M							10			5			*			7												10				3		65											
16	H	3	101	142.91	D							3			5			*			10	*											7				*		75											
17	H	1	72	149.12	D							3			5			1			1			*									1				1		88											
18	H	5	72	164.62	D										6															1							1		92											
18	H	6	40	165.8	D										20						4									1							*		75											
19	H	5	20	173.6	D										20						15																		65											
19	H	6	60	175.5	D										10						15																		75											
20	H	1	71	177.61	D										12																						1		87											
20	H	2	25	178.65	M										30																5						6		59											

Smear Slides

Sample						Size			Mineral															Biogenic																						Rock				
Core	Core Type	Section	Top (cm)	Depth (mbsf)	Lithology	Sand	Silt	Clay	Apatite	Barite	Calcite	Carbonate	Chalcedony	Chert	Clay Mineral	Detrital Carbonate	Dolomite	Fe Oxide	Feldspar	Glauconite	Inorganic Calcite	Mica	Muscovite	Opaques	Organic Calcite	Oxides	Phillipsite	Plagioclase	Pyrite	Quartz	Volcanic Glass	Zeolite	Calcispheres	Diatoms	Dinoflagellate	Fish Remains	Foraminifers	Mollusk	Nannofossils	Pollen	Radiolarians	Silicoflagellates	Sponge Spicules	Bioclasts	Organic debris	Cement	Fecal Pellet	Organic Debris	Organic Matter	Rock Fragment
Hole A (Continued)																																																		
20	H	3	71	180.61	D										6																						1		93											
20	H	6	50	184.9	M										31			1			10														12		8		38											
20	H	6	115	185.55	D										5						5																2		88											
21	H	1	72	187.12	D										5																						3		92											
21	H	5	129	193.69	D										12																						1		87											
21	H	6	131	195.21	D										3																						1		96											
22	H	2	42	197.82	D										4						2																*		94											
22	H	2	130	198.7	M										15																						2		83											
22	H	3	30	199.2	M										30												5			*	3						1		61											
23	H	4	115	211.05	D										5				*																		10		85											
23	H	5	85	212.25	D										10									*						*	*	*					5		85											
24	H	1	135	216.25	D										15				*		*																5		80											
24	H	2	97	217.37	D										5						*								*	*							15		80											
24	H	3	19	218.09	M										77														10	*							3		10											
24	H	4	40	219.8	D										5															*							25		70											
24	H	4	53	219.93	D										10														*								5		85											
24	H	5	118	222.08	M										71			15			3								2	*	2	2							5											
25	H	5	84	231.24	D										2																						1		97											
25	H	6	115	233.05	D										2																						1		97											
26	H	1	50	234.4	D										2				*																		1		97											
27	H	3	109	239.99	M															3	5				2												10		80											
Hole B																																																		
26	H	5	91	244.11	D										2			*											*								3		95											
27	H	5	71	253.41	D										2			*											*								3		95											
28	H	1	72	256.92	D																																12		88											
28	H	1	103	257.23	M										8						3																15		74											
30	H	3	38	273.28	D																2																10		88											
31	H	3	72	282.39	D																5																5		90											
32	H	3	72	292.12	D																																2		98											
33	H	2	50	294.9	D										2				*																		1		97											
34	H	2	72	303.52	D										*				1						1												2		96											
38	H	5	71	337.91	D										2						2								*								3		93											

Thin Sections

				Mineral Components(Authigenic, Detrital, and Volcanic)																	Biogenic Components								
Sample Interval	Name	Structures	Comments	Accessory Minerals	Carbonate	Clay	Feldspar	Opaque Minerals	Quartz (silt)	Volcanic Glass	Intraclasts	Zeolites	Fe-Mn Oxides	Barite	Carbonate Cement	Quartz in Matrix	Chalcedony &/or Quartz Cement	Opal in Matrix	Opal Cement	Diatoms	Dinoflagellates/ Organic Matter	Fish Remains	Foraminifers	Nannofossils	Radiolarians	Ostracodes	Echinoderm Fragments	Total
Hole B																												
1210B-6H-3, 57-65 cm	Clayey Nannofossil Ooze with Foraminifers					35				5													15	45				100
1210B-6H-7, 56-64 cm	Clayey Nannofossil Ooze with Foraminifers					30				10													15	44	1			100